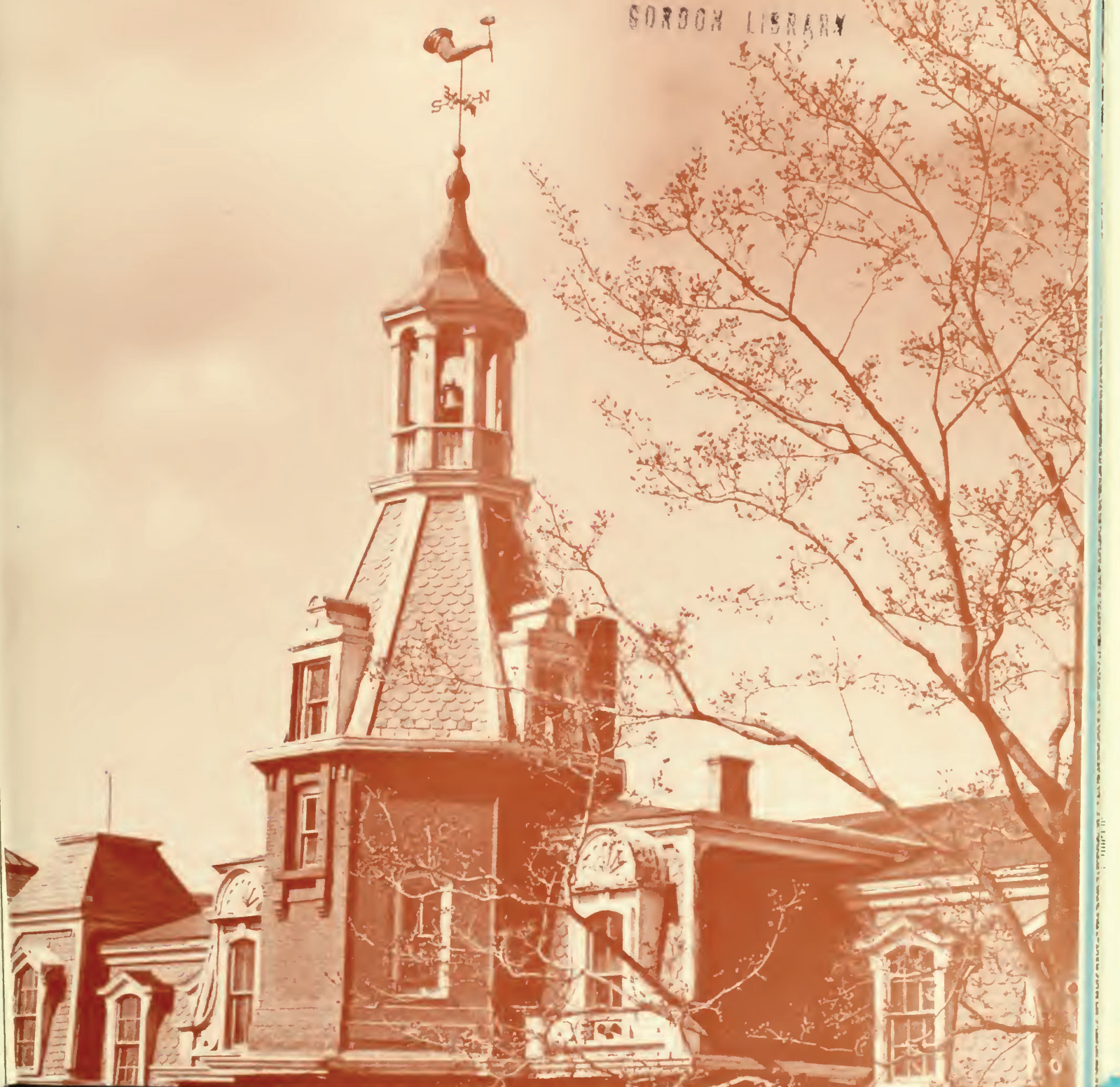


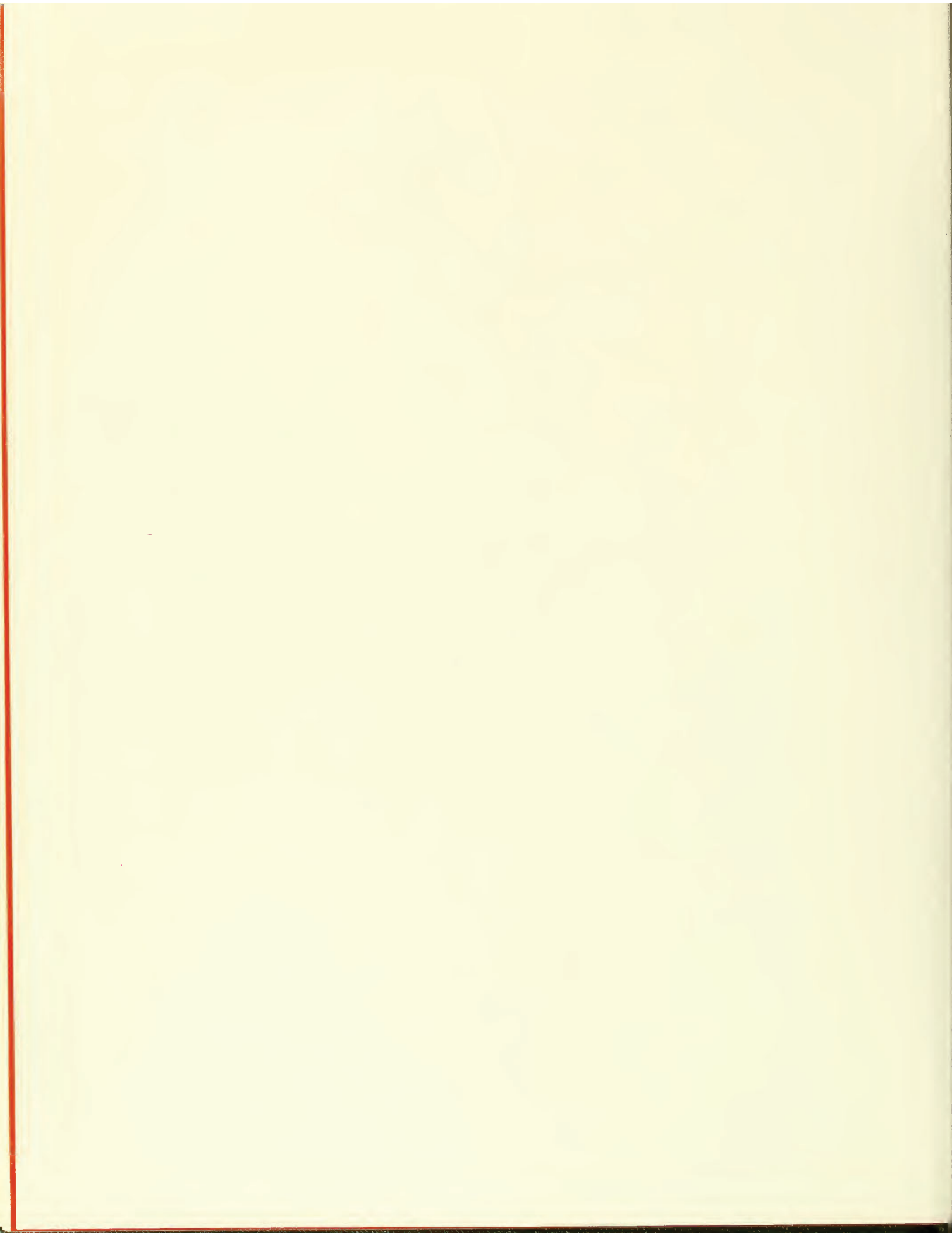
Fall 1979
WPI Journal

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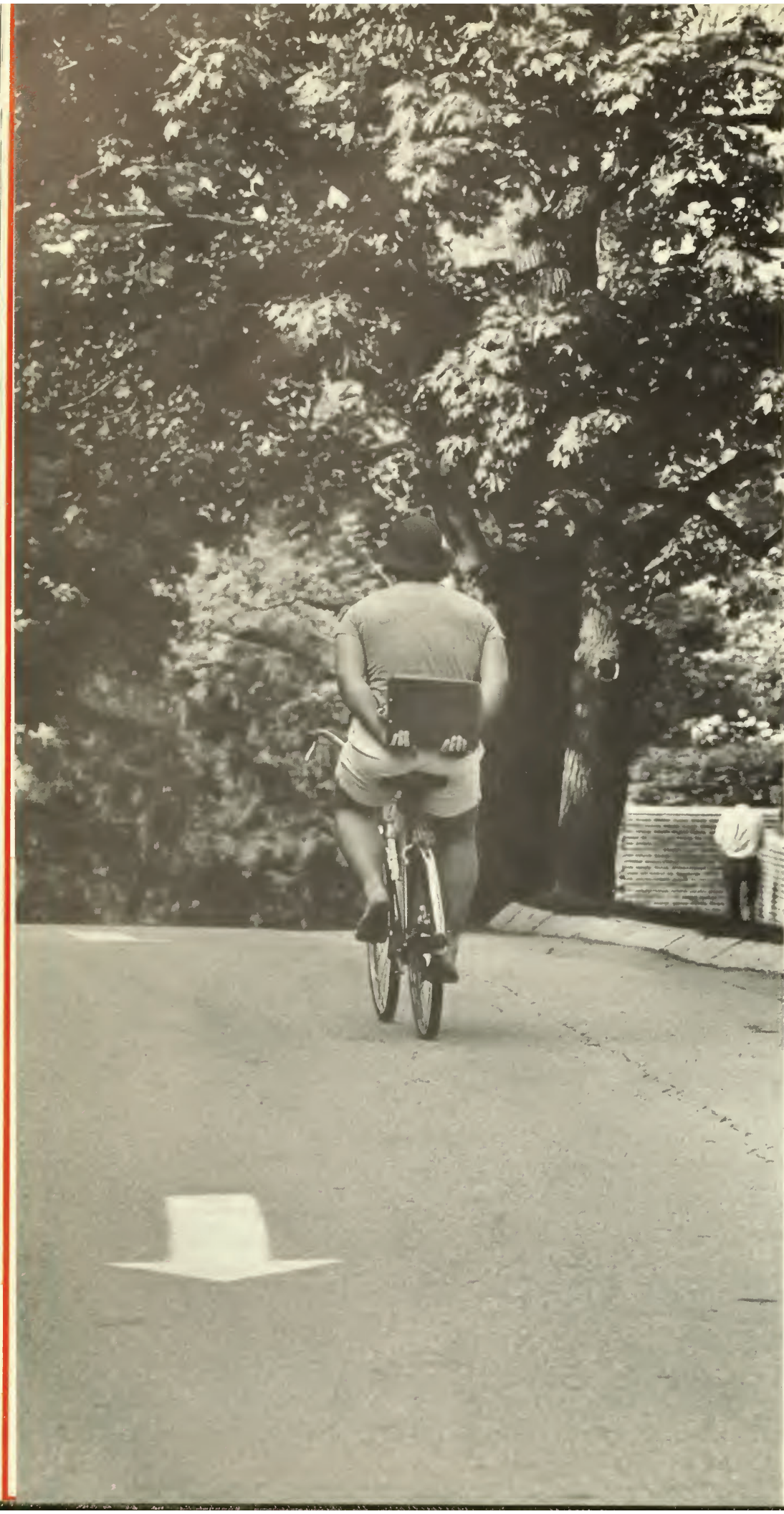
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by Russell Kay

Research by Jean Stilwell

IT IS POPULAR to categorize decades of social history with catch phrases: the jazz era of the '20s; the depression '30s; the war-torn '40s; the complacent '50s; the turbulent '60s; the self-aware '70s. The exact term you choose, of course, depends on what aspect of the times particularly interested or affected your life.

There is reasonably general agreement that the 1970s have been peculiarly a time of turning inward, of examining values and feelings. The '60s had been a time of questioning, too, a time of social upheaval, but the questions were directed outward — people demanded that solutions for problems come from other people and institutions. As a result, a lot of good things happened, or at least were earnestly set into motion: some meaningful civil rights action, long-overdue social welfare programs, an infusion of spirit and money into education, a space program that landed men on the moon. But this same outer-directedness also resulted in the quagmire of the Viet Nam War, in an economy that grew ever more out of control, in an unwillingness to face the consequences of industrial and municipal pollution, and a growing appetite for everything, including energy from fossil fuels.

At the tail end of the 1960s, however, things began to change. People started to look for answers inside themselves. All sorts of "self-help" philosophies, techniques, systems, and books proliferated in this new era, and the signs of the times were varied indeed:

Revisiting the 1970s at WPI

- ▶ Encounter groups, EST, and transcendental meditation
- ▶ Dr. Atkins' diet revolution, macrobiotic cookbooks, and Cuisinart food processors
- ▶ Watergate: the decline and fall of Richard Nixon
- ▶ *People* magazine (which made it big) and *New Times* (which had more heart, but folded)
- ▶ OPEC, gas-pump lines, wood stoves, and diesel cars
- ▶ Consciousness-raising, assertiveness training, dressing for power, and looking out for number 1
- ▶ Digital watches, pocket calculators, and video games
- ▶ Bob Dylan, Dolly Parton, bye-bye Beatles, funk, punk, reggae, and disco
- ▶ *Star Wars*, *The Godfather*, *Roots*, *The Muppet Show*, and *Crockett's Victory Garden*
- ▶ Jogging, racquetball, kung fu, and the NFL on Monday nights
- ▶ Solid as gold and sound as a dollar.

- ▶ The once lowly tee-shirt was no longer underwear but a vehicle for making personal statements.
- ▶ We almost lost Detroit with nuclear reactor problems, but instead we got Three Mile Island.
- ▶ Smokey the Bear was quietly retired and Woodsy Owl installed in his place (pollution evidently being a bigger problem than forest fires).
- ▶ The Olympic games went to Munich and the whole world lost.
- ▶ Walt Disney World offered us an ultimate fantasy.
- ▶ Skylab went up into space, then fell down and hit Australia.

DURING THESE YEARS of the last decade, it has not only been individuals who have looked inward for direction; so too have institutions, and none more than Worcester Polytechnic Institute.

The groundwork for the '70s began with the faculty planning committee which wrote the Two Towers report that led to the creation of the new curriculum called the WPI Plan. And it was the WPI Plan which was the touchstone of the times for Worcester Polytechnic Institute. Just what happened, you ask?

- ▶ Creating the design for a new technological education.

- ▶ Refining the details of the model, then, one by one, bringing them into practice.

- ▶ Restructuring and redesigning every single undergraduate course taught at WPI.

- ▶ Winning both acceptance and renown, on campus and in the national arenas of higher education and of engineering, and getting the WPI Plan accredited.

- ▶ Wrestling with the enormous problems that yearly threatened to sink the whole enterprise.

- ▶ Developing workable ways of promoting and evaluating student projects.

- ▶ Defining a meaningful humanities minor required of all students.

- ▶ Divining a new way of getting students to relate their technical majors to the social world.

THE 1970s WERE A TIME of becoming, of growing. In virtually every area we can look at, the figures show considerable increase since 1970.

Students:

In 1970 there were 1,792 undergraduates, in a total student body of 2,363. In 1979 there are 2,375 undergraduates in a student population of over 3,500. In 1970, 1,520 students (including 41 women) applied for admission, and 541 enrolled. In 1979, 2,009 students made application (214 of them women), for an entering class of 658.

Faculty:

While the student body grew by 48 percent over the decade, the full-time faculty only grew from 158 to 180, a mere 14 percent, although the number of part-time, adjunct, and affiliate faculty has risen from 17 to 80.

Campus:

The campus has increased slightly in size, from about 45 acres in 1970 to its present 56. Most of this growth reflects the addition of Higgins House, plus the Ellsworth and Fuller residences along Institute Road.

In 1969, the campus had 504 dormitory beds; in 1979 it has 912. (There are about as many fraternity beds now as there were then.) Laboratory space grew somewhat from 94,078 square feet to 98,749. Classroom space, however, shrank considerably, from 62,735 to 48,927 square feet, reflecting both the change in emphasis toward project work (much of it carried out off campus) and the increased use of alternate instructional tools, such as videotape. For these reasons, also, conference room space grew from 3,475 to 9,340.

Library:

In 1969, WPI's Gordon Library had fewer than 61,000 volumes. Now it has more than triple that number and is, in fact, approaching the building's design capacity of 200,000 volumes. And that doesn't count in the nearly 600,000 technical reports, mostly on microfiche, nor the 30,000 audiovisual items, including audio and video tapes and cassettes, records, and films. At the beginning of the decade, WPI had no real archives; now there is a significant and growing collection of items that reflect WPI's history and heritage, plus a special librarian to manage the program.

Departments:

In the last decade, WPI has added 3 new departments — Computer Science, Life Sciences, and Social Science and Policy Studies — and new graduate degree programs in biomedical engineering, biomedical science, construction project management, fire protection engineering, hydrodynamics and water resources, management, and mathematics for secondary school teachers. History and English were merged into a single department, Humanities.

Only two people who were department heads in 1969 still hold that position — Prof. Donald Zwiep of Mechanical Engineering, and Prof. Donald Johnson of Humanities (then, History).





Continuing Education:

Enrollment in evening graduate school programs has tripled over the decade, from less than 200 to some 650 this year. The area of enormous growth, however, has been in short (1-3 days) courses aimed at professional development. Where there were barely more than 100 people registered in 1975, the projection for the current school year is over 2,000.

In a related area, WPI's five-year-old co-op program has grown from 8 students to over 50, and over the period nearly 90 students have participated.

Finances:

In 1970, WPI's budget was about \$9.7 million, with a deficit of nearly \$400,000. That has grown to the 1979 budget of \$21.3 million. Over the entire period, the budget has been balanced with an aggregate surplus (retained operational earnings) of \$452,289.

WPI's endowment has grown from \$24.6 to \$35.2 million, due in part to many generous gifts and bequests from trustees and others, and the value of the physical plant has increased from \$18 to \$30.5 million.

Student Finances:

The cost of education has grown, not just for WPI but for its students as well. With the consumer price index having somewhat more than doubled over the decade, tuition has just about kept pace, rising from \$2,100 to \$4,350. Over the same period, however, financial aid to students has nearly quadrupled, rising from \$767,000 in 1970 to \$2,823,904 last year, as a number of new endowed scholarship funds have been added.

Research:

Research sponsored by outside organizations has grown from \$1.76 million in 1971 to over \$3 million.

Alumni Generosity:

Giving to the Annual Alumni Fund has increased from 1970's \$134,000 to 1979's record level of \$575,000. During the past six years, WPI has won the prestigious U.S. Steel award, given by the Council for Advancement and Support of Education, no less than three times.

Giving to WPI:

Other giving to WPI has been impressively large. During the capital fund drive, The WPI Plan to Restore the Balance, in the years 1972-1977, WPI exceeded its \$18.5 million goal by over \$400,000. The generosity and leadership provided by WPI's trustees has helped the college keep pace with the times, maintaining an attractive and functional physical plant, and continually improving the quality of our already excellent programs.



Computers:

In 1969, WPI acquired its second computer, an RCA Spectra 70/46, which gave the campus timesharing capabilities for the first time. This created such a demand, however, that in 1971 a second mainframe computer, a DEC-10, was installed and used strictly for timesharing. By 1976, the Spectra was simply overloaded with administrative computing, and was replaced with a larger and faster Univac 90. Now, in 1979, the DEC-10 is being run near capacity and is beginning to show its age (discrete transistors, no IC's).

But there are other computers around too. A recent computer census at WPI shows the Electrical Engineering department leading the list, with 24 Digital Equipment Corporation LSI microcomputers, plus PDP-7, PDP-8, and PDP-11/10 minis, and a Honeywell 6/43. Computer Science comes next, with a PDP-11/10, two Raytheon RDS-500, a Rockwell AIM-65, and a number of other microcomputers, plus an incredible variety of terminals and other associated devices. Mechanical Engineering has three different PDP-11's, two of them dedicated to special purposes in the nuclear reactor and in materials engineering. Chemical Engineering has two minicomputers, both DEC, and the Mathematical Sciences department finishes up the list with an Apple microcomputer.

NUMBERS ALONE, HOWEVER, cannot tell the story of what has happened at WPI. Far too many students have walked over Earle Bridge during that period. Here's a quick overview of some of the events that have made WPI such an exciting place to be during this past decade.

1970

The Cambodian invasion and nation-wide student demonstrations. The first faculty constitution adopted at WPI. Computer science department established. Stoddard Residence Center opened. Environmental Systems Study Program funded by \$200,000 from the Alfred P. Sloan Foundation. WPI wins national 1st place in Clean Air Car Race. Higgins House bequeathed to WPI.

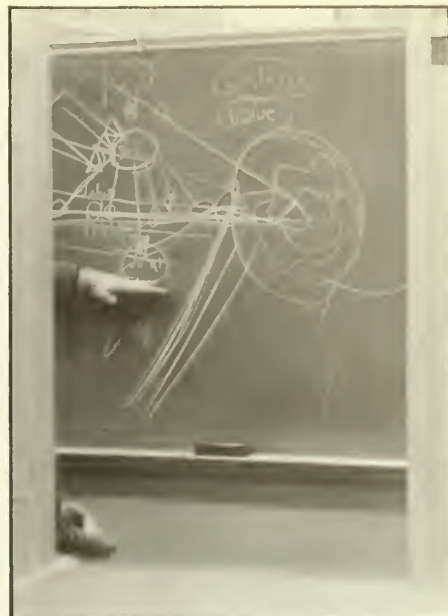
1971

Faculty donate two weeks during the summer for planning purposes and WPI Plan implementation. Carnegie Corporation grant of \$188,000 received to aid summer planning. First videotape viewing station set up in Gordon Library; television studio opened in Higgins Labs. Charles W. Moore Co. report on a physical plan for WPI's future presented to the campus. September entering class is the first able to enroll under the WPI Plan. Free cross-registration among Worcester Consortium colleges initiated. First off-campus project center opened at U.S. Army Natick Labs.



1972

Intersession offered for the first time, 150 short courses in three weeks. Exchange program begun with The City University of London. Project Center opened at St. Vincent Hospital. \$18.5 million five-year fund drive announced. National Science Foundation (NSF) awards WPI \$733,400 -- largest grant ever under its College Science Improvement Program. Campus Judicial System adopted. First competency examinations given under the Plan. Three students graduate under the WPI Plan, and Lesley Small becomes WPI's first woman graduate. "Cookie" Price, dean of faculty, has heart attack and is forced to retire early. In the fall, 14-week semesters are abolished and replaced with 7-week terms. Life Sciences department established. First blind student enters. "Negotiated admissions" policy started. Geetha Bhatt is first woman to receive Ph.D. NSF advisory panel visits WPI to monitor Plan implementation.



1973

Student mail boxes installed in renovated 1st floor of Daniels Hall. Tech News changes its name to WPI Newsspeak. Fall entering class is the first to be entirely under WPI Plan. Ellsworth and Fuller residences open (funded by donations of the Ellsworth and the Fuller foundations). IQP center established in Washburn. Kresge Foundation grants \$150,000 for renovation of foundry into student project center. First women students in ROTC. 3-2 programs begun with Holy Cross, Regis, and Elmira Colleges.



1974

National Endowment for the Humanities awards \$180,000 for humanities sufficiency implementation. Exchange program begun with ETH (federal technical school in Zurich, Switzerland). Acting on a WPI Petition, City Council closes West Street through the campus on a trial basis, but reopens it after nine months. Sloan Foundation gives \$350,000 for implementation of Interactive Qualifying Project. Renovations to Morgan Hall begun. NSF gives WPI \$48,000 for Plan evaluation. Alumni Fund wins U.S. Steel award. Goat's Head Pub expanded by students. Ford Foundation gives unrestricted \$180,000 Venture Fund grant to WPI to be used innovatively.

East campus closed to car traffic and parking; the "greening of the campus" begun! History and English merged into Humanities department. Social Science and Policy Studies department established. Economics, Government and Business merged into Management department. Washington D.C. Project Center opened. As school opens in the fall, Morgan renovations force the use of Harrington Auditorium as a temporary dining hall. Mellon Foundation grants \$150,000 for faculty development in the Humanities. Salisbury Laboratories closed for remodeling, its inhabitants redistributed throughout the campus.





1975

Venezuelan students arrive at WPI under special program. NSF awards WPI an additional \$430,100. The graduating class is 50 percent Plan, 50 percent non-Plan. 3-2 programs with Anna Maria and Assumption colleges announced. Major grants toward Salisbury renovation received from the Alden Trust, Dana Foundation, and the Kresge Foundation. Freshman Seminar program begins. Workshops on Teaching
earning begin. Arm and hammer weathervane stolen from atop Washburn Shops. Society of Women Engineers chapter receives charter.

1976

Co-op program begun. WPI Plan accredited by Engineers Council for Professional Development. Lilly Foundation awards \$123,000 for Humanities and Social Sciences. Boynton Hall closed for renovation as Salisbury reopens. (Musical offices.) Rockefeller Foundation grants WPI \$100,000 for IQP implementation. Program in Urban and Environmental Planning begun. Trustees vote to allow two faculty representatives at meetings.

1977

First sorority, Phi Sigma Sigma, organized. Sanford-Riley Hall remodeled. Freeman Plaza dedicated by Howard Freeman. Arm and hammer replica installed on Washburn as building exterior is renovated. President Hazzard announces retirement in one year. Football team wins only one game — trustees ponder what to do about it.

1978

Blizzard of '78 closes WPI down for three days. Plan to Restore the Balance announces \$18.9 million raised. Football retained as varsity sport. Prof. Jo Ann Manfra becomes first woman to win tenure at WPI. Exchange programs begun with University College, London, and Trent Polytechnic Institute. Edmund T. Cranch inaugurated as WPI's 12th president. Boynton Hall reopened. Alumni Fund wins U.S. Steel honorable mention. Center for Firesafety Studies created. Selective admissions policy readopted.

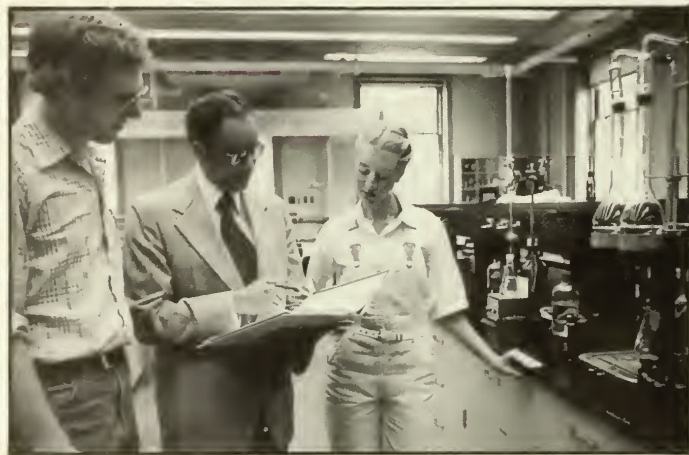
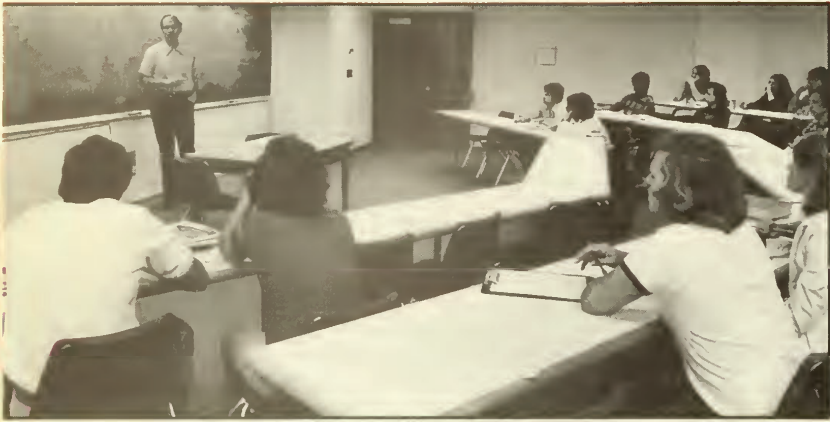
1979

First U.S. master's program in fire protection engineering announced. Astronomical observatory dome erected on Goddard Lab. First blind student graduates. Alumni Fund meets Dana Foundation challenge grant — alumni giving increased 45 percent in one year, to \$575,884.



AS THE 1970s draw to a close, WPI can look back on these years as a time of enormous change, of defining and reaching toward new goals and using new ways to attain existing goals. It has been a time of self-study, of trying to find out what WPI is and should be doing, of hard work by faculty and administration. The WPI Plan has been brought from conception to reality, and it provides a new and firm base for WPI's future.

Approaching the '80s, Worcester Polytechnic Institute is in the strongest shape it has ever been in. We command enthusiastic support from industry, the world of higher education, and alumni. If the campus seems quieter than it was a few years ago, that's because we're consolidating the gains we have already made. The rough outlines of our enterprise, shaped in the early years of the 1970s, are now being polished to a high lustre with a very fine grade of administrative and educational sandpaper.



Previewing the 1980s at WPI

THE WHOLE BUSINESS of education is predicated on looking to the future. We learn from the past so that we may better deal with the social and intellectual and moral and technological situations that are bound to arise in times to come. We learn in order to grow, and that too implies a future.

Planning for the future is vital to any successful organization, but especially so for one like WPI, concerned with technology now changing at faster and faster rates. Simply maintaining an operation like Worcester Polytechnic Institute is an enormously costly undertaking. To do so without concern for tomorrow would represent a waste of time, effort, and money. Well then, what should be done?

That, in essence, was the charge given by the Board of Trustees to its Planning and Resources Committee a year ago. Co-chairmen Arthur E. Smith, '33, and Stanley C. Olsen were asked to evaluate the needs of the college for the near future and identify those areas where additional capital support (read that money) would be needed. Their report, presented to and adopted by the Board last June, shows a careful balancing of alternatives and directions.

UNDERLYING ASSUMPTIONS

Before looking at the physical needs of the college, a number of assumptions about the future had to be made, and some choices of direction indicated. Among these were:

► *High-school graduates:* The number of high-school graduates will begin to decline during the first few years of the 1980s, and the rate of decline will increase in 1981-82.

► *Applicant pool:* The demand for technical and scientific education will remain strong, but it is not certain that the percentage of qualified students will rise. Efforts must be made to increase the pool of applicants to WPI.

► *Financial aid:* It is apparent there will be increased need for student financial aid at both undergraduate and graduate levels. High priority must be given to scholarship, loan, and work-study programs. Federal programs and regulations will plan an increasing role in this area.

► *Educational orientation and enrollment:* WPI will continue to emphasize undergraduate education and to improve the WPI Plan. Undergraduate enrollment will be held at its present level of about 2,400, or possibly decreased to around 2,200 if that proves economically feasible.

► *Graduate and continuing education:* Opportunities here at the master's degree level will expand. WPI should align its programs to take advantage of these opportunities, strengthening its offerings in appropriate disciplines.

► *Faculty development:* The extraordinary demands of the WPI Plan, particularly in the recent years of transition and implementation, has taken a toll of our most valuable resource, our faculty. Ways must be found to help renew and reward this group.

► *Academic program support:* Rapidly changing technology, coupled with the hands-on approach to equipment use encouraged at WPI, has created substantial need for new laboratory facilities and equipment and for new teaching tools.

► *Student support services:* Because of the nature of the WPI curriculum, with its strong reliance on individual student action and planning, our advising and counseling services are in urgent need of strengthening.

► *Athletics:* WPI will continue to emphasize lifetime sports and intramural activities, and WPI will field teams that are competitive at the intercollegiate level.

As the committee discussed plans and options, other assumptions and realizations emerged. It became abundantly clear, while looking for places to locate additional athletic fields, that the college is land poor. Most of the land on the main campus is occupied and used about as heavily as anyone would want. Salisbury Park to the north and Bancroft Hill to the west form natural (if attractive) boundaries.

As with Salisbury and Boynton, efforts will be aimed at renovation and restoration rather than razing or rebuilding.

FACILITY NEEDS

Bricks and mortar type improvements are the easiest to think about, they seem emotionally to give the most visible return for the money ... and they cost the most. But there are very real needs, some carried over as unmet objective of the last capital fund drive, the WPI Plan to Restore the Balance.

Central Service Facility: Moving the Plant Services operations from the middle of the campus, in their current scattered and somewhat makeshift quarters, to a home of their own is a key to the "greening of the campus" objective which is central to WPI's future plans. *Estimated cost: \$750,000.*

Performing Arts: Alden Memorial Auditorium: Growing interest in performance has resulted in virtually constant use of Alden for lectures, concerts, rehearsals, films, and plays. The auditorium has a number of acoustical problems, and the stage wiring needs replacement. *Cost: \$55,000.*

Washburn Shops: Some 550 students now take materials processing lab courses in this second-oldest campus building. Most of the machinery and equipment is 40 to 50 years old, plagued with breakdowns and the need for constant repairs. Increased use has accelerated the need to update and reequip the laboratory. Upper floors will be

used to house the departments of Management and Social Science and Policy Studies. *Cost for remodeling: \$1.12 million. Cost for reequipping: \$300,000.*

Atwater Kent: In this current home of the Electrical Engineering department, you can still see where the trolley cars used to come and go. Computer Science is a relatively young department which has, however, very close ties to EE. Students in each department take courses and laboratories in the other, and both disciplines require extensive computer laboratories. Together, these departments account for 35 percent of the student body. It is planned to move Computer Science (which has had at least three different buildings in the past ten years) into a new and permanent home in Atwater Kent. Extensive remodeling will be necessary. *Cost for remodeling: \$1.62 million. Cost for reequipping: \$412,000.*

Kaven Hall: Civil Engineering laboratories and classroom facilities in Kaven Hall need to be upgraded and modernized. More importantly, however, we must upgrade and reequip the structural and geotechnical laboratories. *Cost for remodeling: \$120,000. Cost for reequipping: \$155,000.*

Energy Conservation Program: While many aggressive efforts at energy conservation have been made in recent years, more are needed. Called for now are capital expenditures for storm windows and insulation for Salisbury, Washburn, Atwater Kent, Higgins Lab, Stratton, Olin, Kaven, and Goddard. *Cost: \$75,000.*

Fraternities: The Trustee Committee felt that a method should be found by which WPI can assist the fraternities, which have provided housing for WPI students for generations, to replace, upgrade, and modernize their buildings. Most fraternities occupy wooden frame buildings which were not designed for the heavy use and wear and tear that they are currently subjected to. However, the Committee deferred any firm recommendation for action at this time.

► **Total cost for facilities improvements: \$4.6 million.**

ENDOWMENT OBJECTIVES

Scholarship Funds: More than 65 percent of WPI's students have received financial aid in the form of grants, loans, or through work-study arrangements. WPI wants to add \$1 million to its student aid funds.

Professorial Chairs: Endowed faculty positions are vital in WPI's efforts to attract and retain outstanding scholars in many fields and to broaden the base of our educational offerings. Two new endowed chairs are planned. Total cost: \$1.5 million.

Building Endowment: The building endowment fund has been established to ensure that selected buildings can be maintained at an optimum level while at the same time reducing the burden on the annual operating budget. Cost: \$500,000.

► **Total endowment objectives:**
\$3 million.

IMPROVING THE CAMPUS ENVIRONMENT

WPI is fortunate to have Salisbury Park, owned by the city of Worcester, as an attractive green belt to the north. Our playing fields, the Higgins House grounds, and the Baptist Church provide a western border of green to our campus. Together, these two areas mark a natural and permanent boundary to the campus.

Toward the south, WPI has crossed Institute Road with the addition of the Ellsworth, Fuller, and Stoddard dormitories. While the college owns some of the wood frame buildings in the neighborhood, not all the college-owned property borders the campus proper. To the east, Boynton Street has been for many years a natural boundary, although WPI now owns 70% of the property between Boynton and Dean Streets. On all other sides, the campus is surrounded by busy traffic arteries: Institute Road, Salisbury Street, and Park Avenue.

The trustees wish WPI to acquire buildings and land, in predetermined areas of interest, whenever they come on the market. These properties will be open to such uses as student housing, fraternity sites, parking, playing fields, academic or support service facilities, and green-belt zones. As each property is acquired, a careful evaluation of buildings should be made to determine whether to retain or raze the structures (the latter to eliminate maintenance costs and problems). \$450,000 is recommended for property acquisition.

Playing Fields: Let's assume WPI had adequate field space in 1965. The student body then numbered 1,247 students. Now we have nearly double that number of students, and the area of available field space has actually been reduced.

This becomes especially critical in the light of Title IX and WPI's need to provide athletic fields for women's varsity softball and field hockey. We do not currently have any adequate field for field hockey.

And our students are using the fields. Last spring, the intramural softball program involved over 800 students on 53 separate teams, playing more than 300 games. This intensive and unrelenting use of the playing fields is simply wearing them out, leaving no time for reseeding.

It is proposed that:

► The existing soccer field will be enlarged and improved to meet the demands imposed by this sport.

► The existing track must be replaced with one that meets intercollegiate standards and has improved drainage. An artificial surface is planned, and the spurs which currently infringe on the baseball field will be eliminated.

► The baseball diamond will be relocated.

► A. J. Knight Field will be rebuilt and reconditioned for use by field hockey and lacrosse.

► Alumni Field will get a new artificial surface so that it will be available for multiple uses, and lighting will be increased to extend the use of the field into the evening hours.

► Tennis courts on Boynton Street will be resurfaced.

► **Total cost for playing field improvements:**
\$1.04 million.

West Street: Closing West Street through the campus is an unfulfilled dream. Success or failure will be determined by political action. If successful, \$65,000 is planned to re-landscape the area.

EQUIPMENT AND LIBRARY NEEDS

Equipment: WPI continues to provide modern, fully equipped laboratories for the use and instruction of our students so that they can enter their professions armed with the best possible training and experience. The project-oriented WPI Plan has generated a concurrent need to upgrade and modernize our laboratories. *Cost of equipment purchases: \$762,000.*

Library: WPI has maintained a fine library facility, which also benefits from the Worcester Area Cooperating Libraries. While the collection is generally excellent, there is a need to augment our holdings in life sciences, management, and engineering and science. *Cost: \$65,000.*

Computer: WPI's DECsystem-10, acquired in 1972, is both approaching saturation (being in use 90 percent of the 24-hour day) and showing its obsolescent technology in a lack of repair components. The growth of student interest in computer science and the benefits available in new computer technology indicate that the system should be upgraded. Under consideration is a DECsystem-20. *Cost: \$500,000.*

► **Total equipment and library needs:**
\$1.3 million.

ACADEMIC PROGRAMS

Faculty Development Awards: The prime reason for the success of WPI and the Plan has been the whole-hearted efforts of the faculty. To sustain and further improve our programs will require a conscious institutional effort to recognize outstanding service to WPI and to provide the opportunity for renewal and strengthening the faculty's academic competence.

The faculty development program is designed to build on the present sabbatical leave program (which provides half salary), and will reach a significant number of our faculty to influence WPI's educational environment. Trustee Fellowships will provide the remaining half of the sabbatic year salary, and will be awarded on a competitive basis, three awards each year for three years. Sabbatic Supplements will enhance the attractiveness of a sabbatical leave where an external organization provides a portion of the missing half salary. Finally, Industrial Awards will be used to encourage industrial contacts which may lead to sabbatical opportunities. *Cost of the program: \$200,000.*

Academic Programs: Special funding is needed to strengthen various academic programs. Computer science needs more depth and breadth in its faculty. Management, which is actively serving industry through off-campus and evening programs, should be further improved. The Manufacturing Engineering program needs to be upgraded, and we face stiff competition from industry for faculty. The newly announced Fire Protection Engineering program has been well received, but much start-up work needs to be done. The Center for Educational Research and Development needs support to continue its evaluation of our curriculum. Graduate research programs in Biomedical Engineering will eventually be self-sustaining, but they must be developed to that point. *Total cost: \$250,000 per year for three years.*

► **Total cost for academic programs: \$950,000.**

OPERATIONAL NEEDS

Unrestricted gifts for operational purposes have provided significant budget support. The major source of these funds has been the Annual Alumni Fund, which has enjoyed phenomenal growth in recent years. Anticipated operational needs are \$500,000 this year, \$600,000 in 1980-81, and \$700,000 in 1981-82.

► **Total operational needs: \$1.8 million.**

THREE STAGES

It is expected that these plans will take about three years to bring about, with a total goal of \$13.2 million. Three stages of proceeding have been defined, with the highest priority going to faculty development, Atwater Kent, Kaven, the soccer field, and tennis courts. The second stage includes Washburn and Alden Memorial. The third stage covers the central service facility, Alumni Field, the new track, and the baseball field. Divided equally among all three phases are energy conservation, endowment, and equipment and library needs. Divided equally among stages two and three are land acquisition and academic programs.

THE STRATEGY FOR MEETING OUR NEEDS

When the Plan to Restore the Balance was announced in 1972, it was clearly a general appeal aimed at corporations, foundations, alumni, parents, and any other potential donors. The money needed for the facilities and programs outlined in this article, however, will be raised differently. Basically, for each area a number of target donors or organizations have been identified, and proposals will be made on an individual basis. There will be no general solicitation of alumni for these needs, although the Annual Alumni Fund will continue its normal operation.

CONCLUSION

In the cover letter which accompanied the report, Messrs. Smith and Olsen noted that "we started out deliberations after the successful conclusion of our \$18.5 million capital campaign. As in all long-term efforts of this nature, there are unmet needs and others that have been accelerated during the campaign period. We discovered what we had suspected — our plant is well maintained and effectively used. However, new technologies and shifting student majors have created new needs and pressures."





Meet the President

The newly elected president of the WPI Alumni Association is John H. McCabe, '68. He is currently vice president, finance, at Carl Gordon Industries, and he will become executive vice president there on December 1.

In past years, McCabe has been president of the Worcester County Alumni Club, member-at-large of the Executive Committee, chairman of the Student Alumni Services and Group Travel committees, and vice president of the Association. In addition, he has been president of the Poly Club and was a member of the Inauguration Committee for President Cranch.

Jack lives with his wife Leslie and three children in Worcester.



Alumni Fund wins another major award — again!

It was announced this summer that the 1977-78 Alumni Fund was the recipient of the coveted U.S. Steel Alumni Giving Incentive Award. The award itself consists of \$5,000, a certificate, and a moebius strip sculpted from stainless steel.

This marks the third U.S. Steel award for the WPI alumni Fund in six years, the last one (an honorable mention) being just last year. Because of this, WPI's award was given in a

newly created category, called Sustained Excellence, which includes Dartmouth College, California Institute of Technology, Phillips Exeter Academy, and the University of Michigan.

In the photo above, Stephen J. Hebert, '66, secretary-treasurer of the Association, is shown receiving the award certificate from James T. Ho-sey, vice president and executive director of the United States Steel Foundation.

Four alumni elected, reelected to WPI Board

Two alumni were newly elected to the WPI Board of Trustees this summer, while two others were reelected to their seats as alumni trustees.

Joining the Board as an alumni trustee is Joseph Glasser, '35, a management consultant and retired vice president of Raytheon, who lives in Andover, Massachusetts. The other new Board member is Robert C. Stempel, '55, vice president and general manager of General Motors' Pontiac Division. Mr. Stempel resides in Bloomfield Hills, Michigan.

Reelected to second terms on the Board was C. Marshall Dann, '35, former U.S. Commissioner of Patents and currently a partner in the Philadelphia firm of Dann, Dorfman, Herrell and Skillman. Mr. Dann lives in Wilmington, Delaware. Also reelected to his second term is Hiliard W. Paige, '41, director of International Energy Associates Limited, of Washington, D.C.

New program for class secretaries begins

Don't be too surprised if you suddenly hear from the secretary of your class asking for news and information. It's all part of a new program designed to improve the quality of the class notes in the *Journal* with the help of class secretaries.

Announced at the Alumni Leadership Workshops held during Homecoming Weekend, the program will see periodic mailings from each class secretary to a portion of his or her class. We hope that this new "personal touch" will open up channels of information that we haven't been privy to in the past, and that we will be able to print more and more interesting news about your WPI classmates and other alumni. We've had an enthusiastic reception from the class secretaries, so now it's up to you to do your part.

What's happening?

BASKETBALL

*December 1	Nichols
*December 5	Norwich
*December 8	Bowdoin
December 10	Springfield
December 13	Wesleyan
*January 12	Amherst
January 18	Middlebury
January 19	Union
January 23	Babson
*January 25	Drew
*January 26	Bates
*January 31	Brandeis
*February 2	Suffolk
February 5	Trinity
*February 8	Coast Guard
*February 13	Williams
*February 16	Lowell (ALUMNI NIGHT!)
February 21	MIT
February 23	Clark
February 27	Tufts

WRESTLING

*November 29	Boston College
December 5	Trinity
*December 8	Bowdoin
December 13	Brown
December 15	Harvard-UNI-Mass Maritime
*January 12	Coast Guard
January 19	Williams, RPI
January 24	Amherst
January 26	RIC, Univ. of Maine
*February 2	Lowell
February 5	MIT
February 9	Hartford, Wesleyan
February 13	Western New England
February 17	New England JV Tournament
*February 21-23	NEW ENGLAND INTERCOLLEGIATE VARSITY CHAMPIONSHIP AT WPI!
February 28	NCAA Div. III Championship

SWIMMING

November 28	Babson
*November 30	Holy Cross
*December 6	Boston College
December 12	Clark
January 22	Southeastern Mass
January 26	Lowell
February 2	Coast Guard
*February 7	Trinity
*February 9	Keene State
February 14	Brandeis
*February 16	Tufts
March 6-8	New Englands

WOMEN'S BASKETBALL

December 6	Western New England
*December 8	Emmanuel
December 10	Merrimack
*December 12	Bryant
January 24	Gordon
*January 26	MIT
*January 30	Anna Maria
February 1	AIC
*February 4	Suffolk
*February 5	Wheaton
February 7	Assumption
February 11	RIC
February 13	Brandeis
*February 15	Colby
*February 18	Clark
*February 20	Amherst
February 21-23	MAIAW State Tournament
*February 26	Babson

FILMS ON CAMPUS

(* = admission charge)

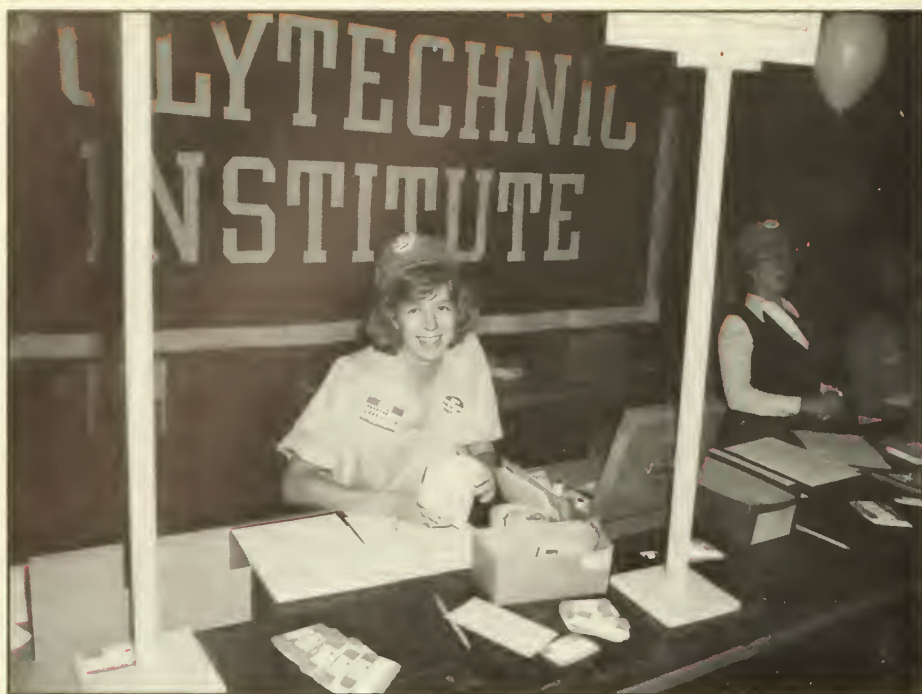
*November 25	<i>Dr. Strangelove</i>	Alden, 7:00
	<i>Dark Star</i>	Alden, 9:15
*December 2	<i>Up in Smoke</i>	Alden, 7:00
*December 9	<i>Close Encounters of the Third Kind</i>	Alden, 7:00
*December 16	<i>The Boys from Brazil</i>	Alden, 7:00
January 15	<i>College The Aerial Wire</i>	Kinnicutt, 7:30
January 17	<i>The Son of the Sheik His Royal Shyness</i>	Kinnicutt, 7:30
January 22	<i>Dr. Jekyll & Mr. Hyde The Champion</i>	Kinnicutt, 7:30
January 24	<i>The Iron Mask</i>	Kinnicutt, 7:30
*January 28	<i>Superman</i>	Alden, 7:00
*February 3	<i>The Greatful Dead Movie</i>	Alden, 7:00
February 5	<i>Emperor Jones</i>	Kinnicutt, 7:30
*February 10	<i>An Unmarried Woman</i>	Alden, 7:00
February 12	<i>Black History: Lost, Stolen or Strayed</i>	
	<i>This is the Home of Mrs. Levant Graham</i>	
	<i>Paul Laurence Dunbar, America's First Black Poet</i>	Kinnicutt, 7:30
*February 17	<i>It Came from Outer Space</i>	Alden, 7:00
*February 19	<i>Fantastic Animation Festival</i>	Alden, 7:00
*February 23	<i>The Pink Panther</i>	Alden, 7:00
	<i>The Pink Panther Strikes Again</i>	Alden, 9:15
*February 24	<i>The Return of the Pink Panther</i>	Alden, 7:00
February 26	<i>Makohn X</i>	Kinnicutt, 7:30
March 4	<i>A Hero Ain't Nothin' but a Sandwich</i>	Kinnicutt, 7:30

INDOOR TRACK

December 1	MIT, Brandeis
December 8	Bentley
December 12	Tufts
February 13	Holy Cross, Worcester State
February 16	Easterns
February 23-24	New Englands

CONCERTS

December 3	Ron Hudson, Guatemalan guitarist	Alden, 8:00
December 10	Beacon Brass Quintet	Alden, 8:00
January 21	Richard Henzel: "Mark Twain in Person"	Alden, 8:00
February 4	Donald Bogul: "Toms, Coons, Mulattoes, Mammies, and Bucks"	Alden, 8:00
February 25	Israel Piano Trio	Alden, 8:00



HOMECOMING 1979

Another gathering was held, this for members of WPI's undefeated 1954 football team. Although they later had to watch WPI lose the afternoon's game to Bowdoin College, they can now take heart at the team's finishing out the 1979 season with three wins, one better than last year (which was Coach Bob Weiss's first season with the Engineers), and three times as many as the disastrous season of 1977. Now, for next year . . .



With the winner of the alumni road race, Bob Ferrari, '74 (left), and runner-up Bill Light, '71 (right), is Patty Maguire, WPI's new assistant alumni director.



No, it's not an invasion of the balloon people, but a bloody mary party thrown for Alumni Fund volunteers at Homecoming. Besides the morning wake-up drinks, the happy-face balloons, buttons proclaiming "WPI, We're on Top," and engineer's caps were given to the many people who worked and helped out in setting the record-breaking, challenge-meeting 1978-79 Fund.

At the finish of the alumni 4-mile road race, coming in somewhere in the middle of the pack is Super-Runner no. 25, Jack McCabe, president of the Alumni Association.



WPI's Public Man in Public Relations

by Ruth S. Trask

HERE'S A QUESTION for you:

What does the term *public relations* mean?

Did you think of stirring up publicity, or spokesmen who issue statements in other people's names? Well, there's a whole lot more to public relations than that, according to Roger N. Perry, Jr., '45, WPI's PR director. "It's a profession that many people just don't understand." As if to back up his point, Roger keeps a small sign near his desk that reads:

Public relations is the management function which evaluates public attitudes, identifies the policies and procedures of an individual or organization with the public interest, and plans and executes a program of action to earn public understanding and acceptance.

THESE WORDS have been the cornerstone on which he has built, over thirty years, what is probably the longest-running and most respected public relations career in Worcester County. One of the interesting things about this is that he started out as an engineer.

"I didn't start out in public relations," Roger recalls, "but as a WPI undergraduate I had served as managing editor of the *Tech News*, a cocditor of *The Peddler*, and was a founder of the WPI chapter of Pi Delta Epsilon, the honorary journalism fraternity. I was also a student correspondent for the *Worcester Telegram*. After graduating with a BS in mechanical engineering, I joined Norton Company as a plant layout engineer. In 1949 the company set up a Public Relations Department, and I joined it. I was really fortunate in learning the profession under one of the finest people in our business, Elliott "Buz" Knowlton, whom I later succeeded as public relations manager."

In 1964 Roger was tapped by WPI President Harry Storke to be director of public relations at his Alma Mater, and Roger has held the position ever since. "General Storke had once been chief

of information for the U.S. Army, and he thoroughly appreciated the public relations role in the organizational structure," adds Roger.

"1964 was an especially interesting year on campus," he recalls. "It was the year before the WPI Centennial celebration, and there was an incredible amount of activity. I was already on the Alumni Centennial Committee before I took up my WPI position. I nominated Mildred M. Tymeson to write WPI's centennial history, *Two Towers*, and helped plan the photo layouts for the book as a part of my PR duties. That centennial year in 1965 was a major challenge, not only for me, but for everyone connected with the celebration." For its centennial year activities, WPI won an award of exceptional achievement from the American College Public Relations Association.

That was only the first of many professional honors, tangible proof that others have judged him more than just good at what he does. Roger's program of support and publicity for WPI's five entries in the 1970 Clean Air Car Race earned the coveted Silver Anvil Award of the Public Relations Society of America (PRSA). "I particularly enjoyed providing PR support for this event," Roger remembers. "There was such a wonderful spirit of unity. Preparing for that race was a major undertaking, which the students carried off magnificently. That was just at the time the WPI Plan was taking final shape in faculty committees. Many alumni were concerned about the changes planned for the curriculum. The race proved that WPI students, with faculty support, could really handle the kind of projects that were being incorporated into the Plan. Also, the race generated a great deal of alumni support and enthusiasm at a very critical time."

ROGER PERRY has been active in promoting his views about his profession and in introducing others to it, and he has built up an impressive record of professional and community goodwill. In 1974 he passed the tough accreditation examinations of PRSA. Accreditation is the highest recognition of professional competence bestowed upon members of the Society. He is at present a regional director of PRSA.

He has played an active role in the Council for the Advancement and Support of Education (CASE). Following the merger of the American College Public Relations Association and the American Alumni Council into one organization, CASE, Roger stepped in to help smooth the transition and served as general chairman of the 1976 district conference. He is a founder and past president of both the Worcester County Public Relations Association and the Worcester County Editors' Council. Roger is an alumnus advisor to WPI's chapter of Theta Chi, a former director of the Better Business Bureau of Central New England, and a former director of the Girl Scout Council.

In September, Roger was elected president of the John Woodman Higgins Armory Museum following the defeat of a controversial proposal to merge the Armory into the Worcester Art Museum. A corporator (since 1976) and later trustee of the Armory, Roger was a staunch supporter of independence for the world-famous museum of armor. In the reorganization of the board of trustees, several new members were brought in to replace resigned trustee supporters of the merger. Roger Perry is the first president in the Armory's 50-year history who is not a member of the Higgins family.

A quiet man, Roger accomplishes more than many people realize. As a part of his public relations activities at WPI, particularly in the years under President Storke, he does occasional speech-writing. The one he remembers most vividly, however, dates all the way back to 1965. President Storke had been invited to be principal speaker at a Chamber of Commerce Education Night program. Storke wanted to use the opportunity to propose





that area colleges share the cost of establishing a computer center, a facility too expensive for WPI alone at that time but one which, Storke was sure, would soon be badly needed. He asked Roger for some help.

"Why not give them a ten-point plan?" suggested Roger. "There must be at least ten different areas in which local colleges could benefit by working together. Then, if we don't get their support on the computer center, we ought to be able to make some progress on the other points."

Storke's "ten-point" speech hit a responsive chord in the community, and the results were gratifying indeed. He got his computer center, and he also got the cooperative program now called the Worcester Consortium for Higher Education, which became a reality in 1967 as a result of his efforts.

PUBLICIZING WPI is an ongoing part of Roger's job, the part which most people think of as public relations. Roger works with newspaper editors and writers in Worcester and Boston, and makes trips to New York and Washington to try to generate more national publicity for the college in newspapers and magazines. Two years ago, Roger brought in a consulting firm of media representatives, Gehrung Associates, which augments his efforts in developing national stories. This arrangement has proved fruitful, with recent articles in *Business Week*, the *New York Times*, *Change* magazine, the inflight magazines of United Airlines and Air New England, and a nationwide Associated Press Sunday feature story on Audrey Muggleton-Harris's cloning research. Professor Harris was also featured on "Evening Magazine," a nightly television magazine show produced by Channel 4, Boston.

Throughout the year, he and Stephen D. Donahue, '29, news bureau manager since 1938, research, write, and distribute over 250 news releases a year, ranging from major WPI news stories for national distribution to hometown stories on new fraternity pledges. "My main job is to make WPI more widely known, and to let people know what our students and staff are accomplishing," notes Roger. "I also try to foster a friendly climate among WPI and other local colleges, and between WPI and the citizens of Worcester. We want people, including our immediate neighbors, to recognize WPI as the real asset to the community that it is."

THE DAY IS rarely dull for Roger Perry. His duties are many and varied. Much of his time is spent on the telephone, and, at times, one wonders if the receiver hasn't taken root in his ear.

Roger smiles at the thought. "I do get a lot of calls," he admits, "some from writers and editors, or perhaps from a professor requesting photographs to go with a paper he's about to publish." The grin on his face becomes broader. "I also seem to be first in line on campus to receive complaint letters and crank calls. If

students play their stereos too loud at night, I'm the one the neighbors ring up first thing in the morning."

When he's not on the phone, you might see him discussing story possibilities with the Journal editor, editing *Monday Memo* (a weekly internal newsletter), writing or laying out the next issue of *Newsbriefs*, putting together an exhibit or booth that will help tell the WPI story at a fair or in a display window, showing a writer or reporter around the campus, or taking pictures. Indeed, many parents and alumni might best recognize Roger by the Nikon around his neck, standing on the sidelines at such events as homecoming, reunion, graduation, parents' day, and special events, like the recent Energy Expo, cosponsored with New England Electric, which brought over 13,000 people to campus in one day. He's there, helping make sure that things run smoothly for campus guests and visitors, and assisting members of the press.

As a part of efforts to publicize the college and the community, Roger is often asked to suggest people for awards, and he was especially pleased to have nominated Dean William R. Grogan, '46, who subsequently received the 1979 Worcester Engineering Society's Scientific Achievement Award.

ROGER PERRY saw active duty on the destroyer USS *Furse* in 1951-53 during the Korean Conflict. During World War II he had been an engineer in the U.S. Merchant Marine. He served in the U.S. Naval Reserve from 1949 to 1976, when he retired as a commander. Roger played an important part when his unit, a public affairs company based in Boston, won a Silver Anvil Award in 1972 for a program which brought young people from across the country to participate in the annual "turnaround" cruise of the USS Constitution. That same program won the Boston Publicity Club's first Super Bell Ringer Award and the Freedoms Foundation Award.

At his home in Holden, Roger has been busy for several years restoring a Model A Ford, "the same model I had as a student at WPI." His wife, Pauline, teaches biology at Wachusett Regional High School. They enjoy outdoor life and spend vacations traveling with their truck camper.

"When the children were younger, they used to join us," says Roger, "but now they're grown up and on their own." Son Dick graduated in June from WPI and is an industrial engineer at the Torrington Company in Connecticut. Tina, '77, is with the engineering department of the Town of Holden. Janet teaches physical education in the Northboro-Southboro schools. A year and a half ago their oldest daughter, Claudia, presented Roger and Pauline with their first grandchild, Benjamin.

AS HE LOOKS BACK over his 30-year public relations career in Worcester, he comments on the many changes over the years. "Back in 1949, when we started the department at Norton, there were only about five public relations people in all of Worcester County. Today there are over 100," Roger notes. "And when I became director of public relations at WPI in 1964, the college was so small that I also served as executive secretary of the WPI Society of Families, wrote a periodic newsletter for parents, produced the college's publications, and coordinated all special events. These last two posts are each a full-time position for someone else now. The college has grown considerably in 15 years."

WPI has certainly stretched its wings since 1964. The Consortium. The WPI Plan. Increased enrollment. Two new presidents. As public relations director, Roger Perry has helped publicize every aspect of campus change. Subtly, but effectively, he has contributed to the coming of age of WPI.

UFO



FLYING SAUCERS. UFOs. Mysterious lights in the sky. Over the years they've been the butt of more bad jokes than almost anything except Jewish mothers. Then, two years ago, the movie "Close Encounters of the Third Kind" made them almost respectable.

And now Dr. Bruce S. Maccabee, '64, a civilian physicist specializing in optics at the U.S. Naval Surface Weapons Center, is one of the central figures in the interpretation of a remarkable series of UFO sightings last December in New Zealand. These sightings, described below, are the first extended UFO observation simultaneously by reliable eyewitnesses, photography, and both ground- and aircraft-based radar.

Maccabee recently appeared on ABC's "Good Morning America" show with Dr. J. Allan Hynek, former astronomical consultant to the Air Force's Project Blue Book and founder of the Center for UFO Studies. The two, together with Australian reporter Quentin Fogarty, an eyewitness, described the New Zealand events and discussed the findings of their personal investigations.

THINGS BEGAN at 3:28 in the morning of December 21, 1978, when Argosy captain Vern Powell, on a routine flight, encountered a UFO while climbing out of Blenheim Airport at the top of New Zealand's South Island. He had been directed there by air traffic controllers at Wellington Airport, located just across Cook's Strait on North Island. Radar men at Wellington had picked up several UFO targets on their screens, including one particular object — estimated to be as large as a commercial airliner — they tracked for 60 miles. After this, the object remained stationary until Powell arrived on the scene. Then, to everyone's amazement, the UFO began tracking Powell's aircraft down the coast for 12 miles.

When the news of the sighting reached Melbourne, television reporter Quentin Fogarty, then on holiday in New Zealand, was asked to cover the story. Fogarty arranged for a camera crew and a recreation of Powell's earlier flight. With a different crew than the earlier flight, Fogarty and crew left Blenheim on December 30 for Wellington, then for Christchurch. Just after midnight, they noticed a number of bright lights in the direction of the township of Kaikoura, located on the northeast coast of South Island. They immediately contacted Wellington radar, which confirmed unidentified targets in that direction.

The encounter had begun.

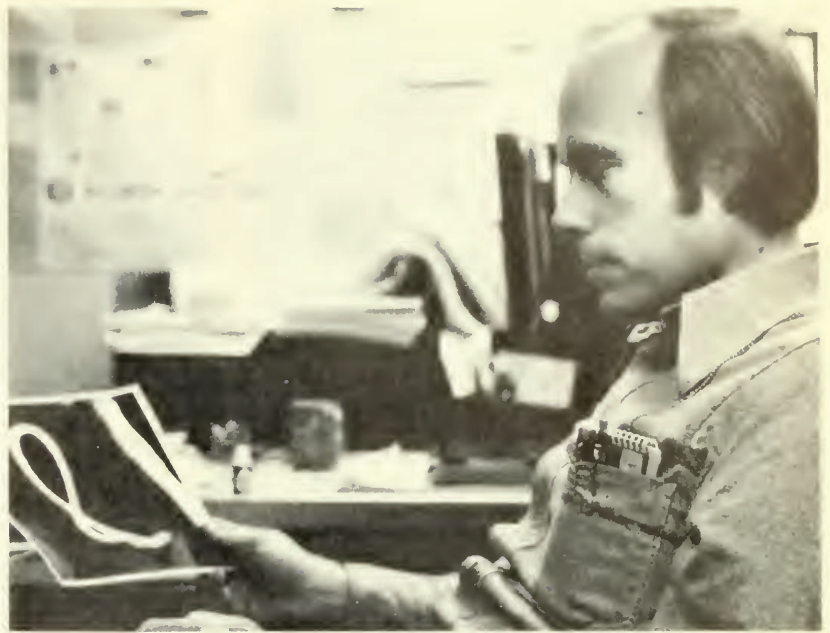
OVER THE NEXT 50 minutes or so, until the aircraft landed at Christchurch, those on board were treated to a spectacular and at times frightening UFO display. Some of the activity was filmed, but because of the objects' apparent ability to appear and disappear at will, filming was quite difficult.

At times, Wellington radar confirmed several UFOs behind the Argosy plane, and at one time a UFO target was so close to the Argosy that Wellington could not distinguish between the plane and the UFO. The passengers saw a flashing light. Reporter Fogarty, who taped a commentary throughout the flight, summed up the feelings of those on board when he said, "Let's hope they're friendly!"

Just before they landed, Captain Bill Startup invited the group back on the return trip. All accepted but one member of the camera crew who didn't want to fly back through the area of the sightings. A substitute was quickly found, and the return trip commenced at 2:16 a.m. About three minutes after takeoff, the plane broke through clouds and saw a very bright light ahead and to the right. Captain Startup, who compared it with a featureless full moon, turned on the airplane's radar in the mapping mode. Several minutes later, when the plane was about 15 nautical miles out of Christchurch, its radar detected a strong target some 20 miles away, in the direction of the bright light. When the plane came to within about 10 miles of the object, at an altitude of 13,000 feet, the pilot turned toward the object. But after a 90 degree turn, the object was still at the plane's side, apparently having moved as the plane turned.

The UFO kept its relative distance from the plane until Startup decided he had better get back on course. As he turned, the UFO moved to the front of the craft, to the left, and then sped away beneath the right-hand side and disappeared. From this point until landing at Blenheim, the people on board continued to see bright, pulsating lights, whose presence was also confirmed later by ground radar. One brightly flashing light was filmed; it showed a light oscillating rapidly from bright white or yellow-white to dim red and orange. The images caught by the camera show a shape that changes from nearly round, to sort of triangular, to bell-shaped, this latter having a bright bottom and a dimmer top. The plane landed at 3:15 a.m.

THE MELBOURNE television station, Channel O, asked the National Investigations Committee on Aerial Phenomena (NICAP) to investigate. Bruce Maccabee was chosen to go to New Zealand and Australia, where he spent three weeks interviewing witnesses and analyzing the film. "It didn't take long for me to realize that this sighting was something unusual," Maccabee says. He estimates that the brightness of the light was perhaps several hundred thousand candlepower. Assuming a distance of 10 miles, the object shown on the film would be about 40 feet wide. Maccabee also consulted with a number of other scientists.



Jack Acuff, president of NICAP, said his organization has never previously endorsed a UFO film as being genuine, but he says that the evidence in this case points to some new phenomenon that is probably related to other UFO reports. Dr. Hynek stated his opinion that the New Zealand evidence clearly suggests some phenomenon that cannot be explained in ordinary terms. He criticized those in responsible scientific positions who had publicly stated that the New Zealand film showed Venus, Jupiter, meteors, etc., without even bothering to talk to the witnesses, or to find out at what times and in which directions the various portions of the film were shot.

Maccabee, who has been a member of NICAP for twelve years, agrees with Hynek on one sure thing: they knew most of the things that the object could not be. They were able to rule out planets, stars, balloons, meteors, other aircraft, secret military maneuvers, radar "angels," and even the possibility of a hoax, and produced scientific evidence for these conclusions.

"All we know," Maccabee says, "is what it was not, but we are convinced that it's something real." He noted that UFO sightings of this type have been occurring since around 1947, "but we have had our heads in the sand — the ostrich effect." He believes that more should be done to investigate such phenomena and to keep the public informed.



1916

Secretary:
C. Leroy Storms
135 West 6th Ave
Roselle, NJ
07203

Wellen Colburn writes: "At 84 I still seem to be well and able bodied." His wife is not as healthy, "but we do fairly well."

1928

Secretaries:
Gifford T. Cook
Rt. 3 Box 294 Keyes Perry Acres
Harpers Ferry, WV
25425
Theodore J. Englund
70 Eastwood Rd.
Shrewsbury, MA
01545

Gordon Rice spends May to November in Ithaca, N.Y., and November to May in St. Petersburg, Florida.

1932

Emanuel Athanas spent August at his native Island of Rhodes in the Aegean, where he gathered material for a book on the Colossus of Rhodes. Before retirement, he was "Voice of America's" radio program director. Later, he became the Washington correspondent of the Athens News Agency and of the New York *National Herald*.

1934

Secretary:
Dwight J. Dwinell
Box 265
Brownington, VT
05860

Eugene Shumski, now retired, is doing consulting work for his former employer, Milton Bradley Co.

1935

Secretary:
Raymond F. Starrett
Continental Country Club
Box 104
Wildwood, FL
32785

Sam Ehrlich, who has a second career with his son, Richard, reports "progress with a new (second) plant in Austin, Texas and two retail furniture stores in Houston." According to Ehrlich, new designs in solid oak are selling well. The direction of their expansion is toward "knock-down" (K-D) furniture of top quality. They may have achieved a breakthrough with their knock-down designs. Sam says, "Still have plenty of time for golf."

Joseph Glasser, corporate vice president and manufacturing manager of Raytheon Company's Missile Systems Division and manager of the company's Andover-Lowell Manufacturing Operation, was honored at a retirement party in May marking his 34 years with Raytheon. Over 700 friends and colleagues attended the testimonial which was held in Andover, Mass. At the party he was toasted as "A real professional. A man who gets things done. A real people guy. A dynamic leader." During the evening he was presented with the Outstanding Civilian Service Medal from the Department of the Army, and a membership in the Haverhill Country Club from a Raytheon executive. Glasser was named a vice president of the company in 1971. He had also served as manager of the Waltham manufacturing facility. A graduate of the Raytheon Advanced Management Program, he also has received an honorary doctor of science degree from Lowell University, and the Goddard Award from WPI. He is a WPI trustee, a trustee of Bon Secours Hospital and Lawrence Savings Bank, as well as a director of the Boys Club of Greater Lawrence.

1936

Secretary:
Harold F. Henrickson
1406 Fox Hill Dr.
Sun City Center, FL
33570

After 38 years with The Foxboro Company, **Herbert Neuman** has retired and is living on Cape Cod. He writes, "**H. Foster McRell, Jr.** is a fellow resident of Harwich."

1938

Secretary:
Emory K. Rogers
141 Lanyon Dr.
Cheshire, CT
06410

Dr. **Gilbert Ashwell** was recently elected to the National Academy of Sciences. He holds the post of chief of the biochemistry laboratory at the National Institute of Arthritis in Bethesda, Maryland. . . . **Richard Cloues** continues on assignment in the Middle East as a resident engineer for Overseas Bechtel, Inc. He says, "We are consultants and construction managers for the Dubai International Airport expansion program on behalf of the government of Dubai, UAE. In January he attained life membership in the ASCE. . . . **Allen Gridley, Jr.**, former director of communications at Revere Copper & Brass, Rome, N.Y., retired early due to poor eyesight, moved to Texas last year, then back to New York. He declares, "Life is interesting."

1939

Secretary:
Charles H. Amidon, Jr.
636 Salisbury St.
Holden, MA
01520

Walter Abel, who received WPI's Robert H. Goddard Award in 1970, reports that his most recent activity has been teaching junior high students what business is all about under "Project Business." Following graduation he joined the Research Division of USM Corp. During World War II, he managed a project concerned with the first rocket-propelled aerial torpedoes. In 1969 he was named vice president for research and development. He attended the Program for Senior Executives at MIT and later became a member of the Visiting Committee for Mechanical Engineering and a member of the Industrial Advisory Committee for the Polymer Processing Program and the Manufacturing and Productivity Department at MIT. The University of Hartford has tapped him for its Industrial Advisory Committee. He has been chairman of the Boston Research Directors Club, a member of Industrial Research Club of New York City, and USM's representative to the Industrial Research Institute, of which he became president in 1972. He has served as chairman of the Finance & Advisory Committee in Wenham, Mass.

"**Charlie**" Amidon writes that he's "spending the waning years in plant layout and renovation with occasional lapses into girl watching." In World War II he reveals that he developed draftsman's elbow over clocks, railroad cars, and machine tools, then "elbowed" into textile machinery. Business took him below the Mason-Dixon

Line, then to Japan and Europe. His wife Eva has been a teacher and author. Two sons and a daughter started out in teaching and Bill is in Turkey and Doug is a wood carver. The Amidons have several grandchildren. Charlie is a student of the American circus and likes to rediscover its early history and equipment.

Roland Anderson is working on part II of *The Kings Spawn*, a history of his father's family written by his mother in Sweden. During his career, he has been with the U.S.A.F., Counter Intelligence, Westinghouse, GE, Chrysler, and AMF on Titan I ICBM launchers. After service at NASA, he spent 12 years as a manager in the Advanced Systems Lab. at TARADCOM. He holds a patent on a "surface effect vehicle" and has others pending, including one on the inertial battery (IB) — "Over five times better than a chemical battery." He has set up the Magnatrans Corp. to handle possible federal funding for the IB development. His brother, Lennart, '46 has filed for a patent on an RF pulsed DC propulsion system which the IB power pack will make practical. Some years ago Roland Anderson hosted the "Best of the Best" at the Scarab Club on the "Bud Lanker (TV) Show." Hobbies include photography, reading, model-making, dancing, and Packards. He has five children.

James Bartlett, Jr. is president and owner of Hydranautics, a California company specializing in heavy-load moving machinery and reverse-osmosis water-desalting systems. The firm has 100 employees and offices in Houston, London, Singapore, and Alkhabar. The Bartletts' oldest, Jim, 3rd, graduated from Berkeley and is publisher of three magazines, including *Politics Today*, and is president of the International Volley Ball League. Judy, who has a BS in nursing from the University of Hawaii, is now "learning the economics of California ranching." The youngest, Stephen, graduated from Northrup Institute and is manager of field service for Hydranautics Water Systems. Bartlett, who earlier in his career was with B.F. Sturtevant, The Trane Co., The Garrett Corp, and his own Cosmodyne Corporation, enjoys flying (became a pilot at 47), carpentry and water sports. He and Shirley are active elders in the Presbyterian Church and participate in Santa Barbara politics.

Growing myrtle, English ivy and pachysandra around his home in Cleveland Heights, Ohio is **R. V. Bergstrom's** "Main outdoor activity." He also belongs to the YMCA, where he swims a half a mile a day to keep fit. By the mid-1980's, after retirement, he plans to become a beachcomber at Vineyard Haven, Mass., where the family has a summer home. A graduate of Harvard Business School, he has been with Norton Co. over 35 years in grinding wheel sales and supervision, mostly in the Cleveland area. During the war years, he was at the U.S. Naval Gun Factory and was an instructor in ordnance at the Naval

Ordnance School, Navy Yard, D.C. He and Roberta have four grown children, two of whom are married. Bergstrom is into the local "goings-on" in Cleveland Heights, and his family belongs to the Unitarian-Universalist Church of Shaker Heights.

After working briefly for Penn Water and Power Co., **Henry Blauvelt** joined Public Service Electric and Gas Co. in 1940 and is presently manager of operations. For 25 years he lived in North Plainfield, where he was president of Rotary, a member of the Board of Education and of the YMCA board, and belonged to the Carrier Clinic Long Range Planning Committee. The Blauvelts have three children and five grandchildren. Tennis and swimming are favorite pastimes.

Current activities of **Jack Boyd** include land and building management of his properties, sailing, mountain climbing, skiing, traveling, scuba diving, and guns. He is a 32nd degree Mason, a member of the Appalachian Mountain Club, and an officer in the National Ski Patrol. He has served in Hollis (N.H.) town affairs as a member of the budget committee, planning board, school board, school study committee, and as deputy fire chief, police commissioner, and owners' representative on the construction of three Hollis schools. A state representative for four years, he was also on Gov. Peterson's task force, governor's crime commission, and the executive board of the New Hampshire Council of Boy Scouts. In 1971, he sold Nashua Brass and retired. Earlier he had been with Saco-Lowell Shops and Colt Firearms. The Boyds have two sons, two daughters, and three grandchildren.

Donald Burness has been employed by Eastman Kodak for his entire career, except when he was earning his PhD from the University of Illinois. Since 1971 he has been senior research associate at Kodak in Rochester, N.Y. He has been involved in research related to photographic products (58 U.S. patents), laboratory planning, and safety. Burness hikes in the Rockies and likes kayaking. He plays tennis and is interested in carpentry, cabinetry, photography and gardening. He plans to retire soon to "spend full time taking care of problems with our recalcitrant Volkswagen Rabbit." He belongs to the Adirondack Mt. Club, Appalachian Mt. Club, Green Mt. Club, Sierra Club, ACS, and Sigma Xi. Helen and he have two sons and three grandchildren.

For a number of years, **Harrison Brown** was involved with the Skylab program. ("Don't blame me because it fell! I tried my darndest to convince NASA to install a reentry system.") While at the Marshall Space Flight Center in Huntsville, Ala., he became the systems engineering manager for the medium powered flights of Ranger, Mariner, Voyager, and Echo. At the Army Missile Command he worked on the Talos and Mauler missile systems. He was with the Bureau of Ships in Washington, with the Navy at Mare Island, Calif., and New

England Power, Providence. The Browns, who have a son (doctor) and daughter (math. teacher), and two grandsons recently returned from a trip to Spain, Portugal, and Tunisia. They are ardent square dancers and participate in retirement programs. Brown serves on the local Mental Health board and is chairman of the church board of trustees.

A former local WPI Alumni Chapter president, **John Busada**, has also served as president of the Flushing Lions Club and the Chamber of Commerce, chairman of the YMCA board, and trustee of Flushing Hospital. He was a vestryman, headed a local Red Cross drive, the annual YMCA Fund Drive, and was master of Damascus (Masonic) Lodge. Associated for many years with his own firm, Busada Mfg. Corp., which specializes in transparent rigid plastic tubing, he was formerly with Omni Products, Northern Industrial Chemical Co., the U.S. Navy, and GE. He has a daughter in the theater and a son doing graduate work in horticulture.

Since his retirement in 1973, **Wilder Carson** and his wife Ruth have spent much of the time traveling with their Airstream trailer to Prince Edward Island, Canada, in the summers and to Florida or the Southwest, winters. They have crisscrossed the U.S., Canada, and Mexico. From 1958 until his retirement, Carson served at the Army's Munitions Command in Dover, N.J., and received his second Meritorious Civilian Service Award. Previously, he was at Picatinny Arsenal in Dover, where he was employed for 33 years as a civilian engineer and manager, design and project engineer, and laboratory chief in ammunition R&D. For a short time before going to Dover, he was with GE. The Carsons have a daughter and two grandchildren. Hobbies include invertebrate fossil collecting, fishing, and reading. Carson is past president of the Morris County Engineers Club and an active participant for 15 years in the local Great Books discussion group.

Allan Chase spent about 36 years with Procter & Gamble, retiring in 1975 as plant chemical engineer in the food products plant in Cincinnati. He now lives in Chatham, Mass. The Chases have two daughters and a son, and try to get in one major trip a year. . . . **Arthur Cooley** retired as a senior engineer with Socony Vacuum Oil Co., East Providence, R.I. in 1975, when the asphalt plant closed. Earlier he worked for Anderson Engineering, Cambridge, and Lovejoy Tool Co., Springfield, Vt. In World War II he was with the Air Force in Tunisia, Sicily, and Italy on 50 missions and earned four oak leaf clusters. In 1944 he returned to the U.S. as an instructor and maintenance test pilot. He likes to do repairs, plumbing and auto mechanical work. His 1970 Cutlass has logged 128,000 miles and still gets 22 mpg on trips. He used to keep bees. Recently he completed a course in colored stone grading from the Gemological Institute of America. He enjoys skiing,

hiking, whitewater canoeing, and is Canoe Committee chairman and a member of the Appalachian Mountain Club. He is a past treasurer of his local scout troop and Junior Achievement advisor. He belongs to the Instrument Society of America and the American Institute of Plant Engineers, serving as president of the Rhode Island chapter in 1967. He is a professional engineer and the father of four.

Harold White has been named vice president and general manager of the newly created Organic Grinding Wheel Division at Norton Co., Worcester. The new organization will include the vitrified grinding wheel division and the diamond products division, as well as the organic grinding wheel division. White, a registered professional engineer, was previously vice president and managing director of abrasive operations in Northern Europe.

1940

Secretary:
Robert E. Dunklee, Jr.
Rocky Hill Rd
North Scituate, RI
02857

Russell Lupien has retired as purchasing agent for George Meyer Co. in West Boylston, Mass.

1941

Secretary:
Russell W. Parks
7250 Brill Rd
Cincinnati, OH
45243

Robert Wilson continues with Field, Eddy and Buckley, Inc., an insurance agency in Springfield, Mass.

1942

Prof. **Roy Bourgault** of the WPI Mechanical Engineering Department has been elected chairman of the Materials Division of the American Society for Engineering Education.

1943

Robert Alexander holds the position of technical manager at Northern Petro Chemical in Clinton, Mass.

1944

Secretary:
John G. Underhill
6706 Barkworth Dr
Dallas, TX
75248

Joseph Gibson, Jr., inventor of the Thermosol dyeing process used extensively throughout the world, has been named the 1979 recipient of The Olney Medal for achievement in the textile industry. Established in 1944 by the American Association of Textile Chemists and Colorists, the medal recognizes outstanding achievement in textile chemistry or other areas of textile science. The award consists of a gold medal, a scroll, and a cash honorarium. Gibson, who did graduate work at Princeton and MIT, has spent his entire professional career at du Pont in Wilmington, Delaware, where he is currently a senior research engineer in textile end-use research. During World War II he was in the Naval Reserve.

His accomplishments as a researcher encompass different fields. Besides the Thermosol continuous dyeing process, he has been involved in the development of more comfortable wearing apparel and the development of synthetic leathers. He developed a sparkling monofilament textile fiber which provided luxurious fabrics with glistening appearance, and nylon hosiery with improved fit, sheerness and durability. He holds patents or has written and presented papers in these fields. Outside of his profession, he has been granted a patent on a fish swimway for an aquarium tank; has developed a general theory on the origin of the universe leading up the "big bang" theory; and presented a paper on this theory in the 1978 Louis Jacot Competition in Paris. He belongs to AATCC, ACS, the Fiber Society, Sigma Xi, Tau Beta Pi, and Sigma Phi Epsilon. He served on the National Association of Hosiery Manufacturers' Pantyhose Sizing Committee, and is the 36th recipient of The Olney Medal, slated to be presented during October at AATCC's annual national technical conference in Cherry Hill, N.J.

Everett Johnson has moved from being manager of planning and administration to manager of The Beacon Research Laboratories of Texaco, Inc. in Beacon, N.Y.

1945

Prof. **John Fondahl** of Stanford University has returned from a spring quarter sabbatical. He and his wife Doris spent three weeks in China, then six weeks with the youngest of their four daughters at Kyoto University in Japan. . . . **Albert Myers** was recently elected vice president of furniture opera-

tions at Lear Siegler, Inc. Previously, he was vice president of operations for fabricated products. Reporting to him are Borroughs Division, Foam Products Division, National Twist Drill and Tool Division, No Sag Spring Division, and Plastics Division. He is located in Rochester, Michigan.

1946

Secretaries:
M. Daniel Lacedonia
106 Ridge Rd.
East Longmeadow, MA
01028
George H. Conley, Jr.
213 Stevens Dr
Pittsburgh, PA
15236

Paul Gorman, group vice president at Chas. T. Main, Inc., Boston, has been elected to the board of directors of the corporation. Elected a group vice president in 1978, Gorman is responsible for Chas. T. Main's engineering divisions. In 1975, he joined Main as vice president and manager of the Nuclear Division with subsequent responsibilities as manager of the Thermal-Nuclear Division. Earlier, he had been a vice president for Boston Power Division at United Engineers and Constructors, Inc., and a director of Jackson & Moreland International, where he was employed for nearly thirty years. He holds an MS from Northeastern.

Dean **William Grogan** has been awarded the Carlson Award from the American Society for Engineering Education for his major role in the development of the WPI Plan.

1947

Secretary:
Alfred F. Larkin, Jr.
1440 E. Standish Pl.
Milwaukee, WI
53217

Dr. **Morrel Cohen** has completed six months leave at Kyoto University, which he found "most pleasant and stimulating." . . . **Milford VanDusen** is presently an engineering staff consultant at Loral Electronic Systems, Yonkers, N.Y. Earlier he had been with AIL Division, Cutler Hammer, Eaton Corp. . . . In a recent management reorganization at the Torrington Co., **John Williams, Jr.**, was named vice president of finance and administration. Previously, he was vice president of the heavy bearings division. Since joining the firm in 1947, he has served as district sales manager and general manager of the heavy bearings plant at South Bend, Ind. In 1972 he became vice president of heavy bearings, and in 1975, director. Last year he moved from South Bend to corporate headquarters in Torrington, Conn.

1948

Secretary
Paul E. Evans
69 Clairmont St
Longmeadow, MA
01106

Gordon Keller has retired from AVCO's Systems Division.

1949

Secretary
Howard J. Green
1 Kenilworth Rd.
Worcester, MA
01602

James Adams has traveled to Japan, Taiwan, Hong Kong and often to Greece and other parts of Europe during his career as vice president of marketing for the General Instrument Corporation. He is a member of the board of directors for two companies on Long Island and a member of the Long Island Association and Long Island Forum for Technology. He also serves as chairman for local scouting groups, board chairman for a high school scholarship committee, and is involved in church activities. His three sons, Bob, Jim, and John, will all be in college this fall. The Adamses reside in Glen Cove, N.Y.

Since 1952, **Walter Allen, Jr.** has been with Pratt & Whitney Aircraft, East Hartford, Conn. His various posts have included manager of the Texas office and manager of domestic marketing for the central U.S. and Canada. In 1974 he became regional director of Pacific and Australasia. "Have made 11 trips around the world in this job." Currently he is assistant to the vice president of international marketing. He flies in his Mooney Executive, sky dives (215 jumps), and skis. . . . **Dean Amidon**, the new commissioner of the Massachusetts Department of Public Works, says he lives "part time in Boston and the rest in the Berkshires." Fran and he have four grandchildren and three daughters-in-law. He's had to give up his golf membership in order to concentrate on his latest professional responsibilities.

Willson Applegate's son, Lansing, just finished his junior year at WPI. Daughter Marcia works for United Airlines, and Nancy is about to enter Sacramento State University. Wife Nikki does volunteer work in churches and hospitals and holds seminars in colleges. Applegate holds the post of corporate director of ground safety for United Airlines. Earlier he had been an industrial hygiene engineer in Vermont and a safety engineer for Boeing. He holds a master's degree in industrial hygiene from Harvard, and sings in the church choir. He has been a leader in the Air Transport Section of the National Safety Council, the American Society of Safety Engineers, and the American Industrial Hygiene Association.

Philip Buffinton is a director of State Farm Fire and Casualty Co., Bloomington, Ill., where he also holds the posts of vice president, secretary, and chief administrative officer. He was a founder of the former National Flood Insurers Association, and presently belongs to the National Fire Protection Association, Seismological Society of America, American Meteorological Society, and the American Management Association. He is an associate in the Casualty Actuarial Society, a member of the American Academy of Actuaries, and a registered professional engineer. He and Rita enjoy golfing here and abroad. They have three married daughters and a grandson.

Thomas Carlin serves as manager of general purchases in the Eastern Division at Wyman Gordon Co. He is a national certified purchasing manager, a registered professional engineer, and holds an MBA from BU. He belongs to ASME and the National Association of Purchasing Management. A director of the Worcester chapter of NAPM, he is also a member of the Rotary and the Westboro High School Building Committee. The Carlins have four children, and like golf, tennis and skiing. . . .

Thomas Coonan III continues with Plastic Products and Resin, a department of du Pont. He's been with the firm 27 years and is presently a senior marketing assistant in Chicago. He has two boys and a girl in high school and enjoys golf and Canadian fishing.

With the Foxboro Company for nearly 29 years, **Earl Cruft** is currently manager of project services for D&E. Son Carlton received his BS from WPI in 1971, his MS in 1973, and is employed by Pratt & Whitney. His daughter, Patti, graduated from Wheaton. Earl and Glenna usually take an annual trip to California to see Patti and her husband. . . . **Walter Dick** is still at Bell Telephone of Pennsylvania, where he is the design engineer for cable, microwave, and lightwave communications systems in the western part of the state. . . . **Len Fish** continues in the post of senior vice president at the American Gas Association. He is responsible for technology development, training, meeting services, membership development and international liaison, which gives Bobbie and him the chance to travel throughout the U.S.A. and Europe.

Since 1954 **Orlando Foss, Jr.**, has served as president of the General Box Company of Waycross, Ga. The company makes cigar, school, and shoe boxes by its patented method, on equipment which is mostly of its own design. Foss and Colleen have two children, two step-children, and one step-grandson. He is an elder in the Presbyterian Church, is past president of the Rotary Club and the Chamber of Commerce. He is on the advisory board of the Southern Division of the National Paper Box Association, and is past director of the Associated Industries of Georgia. . . .

Samuel Franc, Jr. of Alamo, Calif. is a project manager for Raiser Construction Co., a design-build firm. At the moment, the company is working on three office

buildings, a condominium project, a high rise building, and is about to start on another office building. On the boards: A 17-story hotel for Holiday Inns and a regional headquarters for Fluor. Francis president of Danville Toastmasters, an organic gardener, a photographer, a real estate broker, and a "new runner." Marcia graduated from high school this year, and her sister, Susan, is a sophomore with a 4.0 average. Francis's wife Betty collects books.

Charles Gerber has retired (except for teaching) as senior project engineer from Mitchell College, New London, Conn. He is a consultant to the College and to the Town of Old Lyme. He is associated with the Salvation Army, Senior Citizens, and many personal projects. Vi and he spent several days last winter with the widow of his cousin and classmate, Karl Berggren. . . .

Howard Green continues as treasurer of Green Bros. of Worcester, Inc. His firm is active in the new and used machine tool business in the U.S. and is expanding internationally. Recently a large addition was built. Green is on the national board of directors of the Machinery Dealers Association, which is based in Washington, D.C. His hobbies are golf and tennis. His political activities are "confined to trying to alleviate the product liability problems in the U.S." He has four children.

Alfred Hapgood has spent 24 years in lens manufacturing, including 12 as lens plant manager and one year as lens product manager at American Optical Co., Southbridge, Mass. He has been chairman of the Southbridge School Building Committee for five years, a member of the Cohasset Country Club board of directors for six years, and club president for one year. When his two sons were young, he assisted with Little League and Pee Wee Hockey. He and his wife "vacation as often as possible," with Hapgood enjoying athletics and fishing. . . . Since 1971 **John Hunter** has been engineering director at General Dynamics-Electric Boat. He says, "We have about 1100 engineers and 1700 draftsmen and workers, who are well into converting to computer-assisted plan production. We already handle all material ordering and listing this way. The Trident (submarine) requires about 13,500 plans and 200,000 pieces of materials to build one ship." Hunter is a former mayor of Groton, Conn., a senior warden in the Episcopal Church; a licensed lay reader; a U.S.C. G. licensed operator of small passenger ships; a professional engineer; and a member of the Society of Naval Architects and Marine Engineers, and the Newcomen Society. He is part-time captain of the last U.S. coal-fired passenger ship out of Mystic, Conn. He has three grown children.

Bill Julian, past president of the WPI Alumni Association and a resident of McLean, Va., writes that he expects he and his wife Audrey will be spending about six months of the year at their new vacation home at Willoughby Lake in Vermont. They enjoy sailing and are avid bridge players. Carol Ann is a special education

teacher; Debra, an environmental scientist; and Allen, a senior at the University of Virginia. . . . **Peter Kahn** serves as a manufacturers' agent for chemical processing equipment, along with equipment for air pollution and liquid wastes treatment and control. His firm, Peter A. Kahn and Co., is located in Newton, Mass. His daughter, Merle, who has a PhD in food chemistry, works for Reynolds Metal. Eric is a marketing zone manager for Lincoln-Mercury Division of Ford, out of the Denver office.

Robert Lawrence has been with the U.S. Department of Commerce for 30 years and is presently involved with the development of novel optical techniques for measuring the physical properties of the atmosphere. "How about a volume-averaging wind sensor that sits in a small box on your desk and gets its information by simply looking out of the window?" For fifteen years he and Pam have flown their plane on business and pleasure trips to Glacier Bay, Newfoundland, and the Peruvian Andes. They flew to Worcester for his 25th reunion. Viki is a geologist and Vernon is a math student at the University of Idaho. . . .

Sidney Madwed, who served this year as a head agent for the class, writes that he swims five miles a week. He has been involved with scouting, his synagogue, and is interested in photography. His firm, Madwed Manufacturing Co., Bridgeport, Conn., specializes in zinc die casting, antique plating, and brass plating, light steel fabrication, and electropolishing. Son Bert is with Westinghouse in Pittsburgh. Susan works as an assistant fashion designer at Parade Dress Co., New York City. Mark is at Northeastern and Sarah is a high school junior.

Harold Melden, Jr. has been named vice president of gas supply at Commonwealth Gas Co. On a recent trip to Alaska and the Yukon Territory, he saw his oldest son, Mark. Kurk, with a BSEE degree from Union College, is at Data General. Daughter Sue is a student at the University of Maine. His wife June plays and teaches tennis. . . .

Robert Miller, Jr. is employed by Gilbert-Commonwealth of Jackson, Mich. Currently he is project manager assigned to Montreal working in tandem with a Canadian consulting company. The project involves the electrification of the central region of Saudi Arabia. . . . Since graduation **Harry Mochon, Jr.**, has been associated with electric utilities, including Hartford Electric Light Co. and the Connecticut Valley Power Exchange. Presently he is director of the New England Power Exchange. He has two daughters, one a lawyer in California and the other a social worker in Massachusetts. Mochon has served as chairman of the North American Power Systems Interconnection Committee. A registered professional engineer, he also belongs to the Technical Advisory Committee of the National Electric Reliability Council. He is an avid golfer.

Henry Mogensen holds the post of manager of the Lapmaster Division (Machine Tool) of Crane Packing Co. in Chicago. Last September he left Warner & Swasey Grinding Machine after more than 27 years of service. . . . Still with Feecon Corp., Westboro, Mass., **Walter Mussoni** now serves as general sales manager of the company. The firm manufactures and designs fire suppression systems for airports, refineries, and municipalities. He and Janice have two boys and two girls. "Golf has to be my primary hobby." . . . **John Snyder** has joined Pepsi-Cola Co. in Philadelphia, where he is manager of packaging research.

1950

Secretary
Lester J. Reynolds, Jr.
15 Cherry Lane
Basking Ridge, NJ
07920

Robert Hallisey serves as engineering supervisor of the test equipment department at Hughes Aircraft Co. in Fullerton, Calif. . . . **David Humphrey** is a self-employed manufacturers' representative "living on a farm in beautiful Carroll County" in Maryland. He is currently restoring a 1927 American LaFrance pumper. He sees duty as a maintenance officer and pilot for the Civil Air Patrol.

1954

Secretary
Roger R. Osell
18 Elot Rd
Lexington, MA
02173

Paul Alasso holds the post of product manager for textile coating and bonding polyurethane products for a division of Mobay Chemical Corp. Prior to joining the company in 1976, he had been with Midland-Dexter, Trancoa Chemical, Permethane Division of Beatrice Foods and Union Carbide. The Alassos live in Medfield, Mass., and have two children, Sarah, 13, and Andrew, 11. . . . "Thirteen years in the Maine woods with the B & A (Bangor & Aroostook Railroad) have been very rewarding ones," writes **Owen Allen**, who works for the mechanical department. Earlier he had been employed by Union Carbide, New York Central Railroad, and Foster Wheeler Corp. He holds a bachelor of divinity degree from the Drew University Theological School, and once served as a co-pastor of a circuit of four Methodist churches in Massachusetts. He has hiked the 2000-mile length of the Appalachian Trail, the story appearing as part of a two-volume book, *Hiking the Appalachian Trail*. Owen and Candy have three children.

David Bisson's current principal activity is Frederick Beck Originals, a former customer, which he purchased. The firm produces a fine line of design Christmas cards which are sold in the finest stores. Bisson is still chairman, but is in the process of selling his silk screen printing company, which developed into the largest screen printing business in the San Francisco area. For ten years he had been a sales engineer in San Francisco for Union Carbide Plastics. Earlier he did food research in Chicago. Active in church and city politics, Bisson also reads extensively, skis, and camps out. The two older children are business majors at Berkeley and the youngest is in high school. The family resides in Millbrae, Calif. . . . In January, **W. Richard Byrnes** joined Goldsmith & Eggleton of Akron, Ohio. He is brokering plastic resins and compounds as well as representing two other manufacturers. Previous employers were Air Products & Chemicals, Inc., J. T. Baker Chemical Co.; and Arthur D. Little, Inc., Cambridge, Mass., where he worked with Wil Kranich and **Roger Osell**. He has belonged to the Lions Club, Jaycees, Toastmasters International and church organizations. Other interests are the music theater, scouting and children's athletics. Byrnes and Bette have three children.

Lee Catineau says, "Life has been good to us." His leisure-time interests have been geared to working with kids in baseball, hockey, football and those with problems. The Catineaus have two boys: Ted, 19, and Don, 18. Lee is presently a broker with Loeb Rhoades, Hornblower, Inc. in Worcester. He has previously been with Bache, du Pont, and the Atomic Energy Commission. . . . **Harry Chapell** of Maynard, Mass. is a past president of the Lions Club, former Civil Defense radio officer, chairman of the high school building committee, and has been chairman of the Conservation Commission since its formation. He is the chief engineer at Sage Labs, after having worked for Raytheon and Bell Labs. At Sage he is concerned with the designing of microwave components and instruments. He helped develop the lunar lander, has several patents, and has written technical papers. The Chapells have two daughters, a son, Robert, '78, and two granddaughters.

Recently, **Elmer L. Corujo** was appointed director of Latin America sales for Harris Corporation. He joined the firm two years ago. Previously, he was in management and international sales with Raytheon and RCA. . . . Last year **Allan Costantin** resigned from Union Carbide to become vice president of Gibson Associates in Cranford, N.J. The company manufactures over one billion thermoplastic closures each year for major soap, toiletries, cosmetics, food, and liquor companies. With the exception of his service in the Medical Service Corps., Costantin had been with Union Carbide since graduation. In 1958 he and **Dave Bisson**

"covered the Northwest" for the firm's Plastics Division. He became the sole plastics representative in Texas, Oklahoma, and Arkansas. In 1965 he was appointed group leader in the R&D department in Bound Brook, N.J. and dealt with P.V.C. In 1973 he was named sales manager of the eastern region. He has an MBA from Rutgers. The family, including six children, enjoys skiing and sailing. . . . A long-time employee of GE, **Kenneth Cross** writes: "We have developed, installed and operated (for the Air Force) large radars for BMEWS and for tracking satellites, including many based overseas in Turkey, Thailand, and Alaska." His most interesting experience has been as a project engineer on an experimental infrared program which took him to Mississippi, Vandenberg AFB, Calif., and Cape Canaveral. The Crosses and "two very wonderful adopted children" reside in Baldwinsville, N.Y.

Still with Scovill Mfg. Co., Apparel Fastener Division, **Walter Dziura** now holds the post of manager of contract engineering and has five patents. He is the father of six, one son currently attending WPI. For many years he was a Boy Scout committee man. He is active in hunting, fishing, and conservation work at the Rod & Gun Club. He teaches grafting as an aid to wildlife. A member of ASME, he is also a certified engineer and a Junior Achievement advisor. . . . During the last 22 years with U.S. Steel, **Robert Fish** has been concerned with the engineering of products and applications of wire rope and structural steel strand from all production and commercial aspects. His career has taken him hundreds of thousands of miles in the southern and eastern U.S. and on occasional foreign expeditions to China, Australia, and South America. Earlier, he worked for the Massachusetts and Connecticut State Highway Departments and the Army Corps of Engineers. The Fishers have five children, "all Yankee-born, and now all dedicated Southern rebels!" They live outside of Birmingham, Alabama.

Joe Fratino began at Columbia Gas Transmission Corp. in 1954 and is now director of engineer services in Charleston, W. Va. He is a registered engineer and is involved with the ASME, API, and AGA. For a number of years he belonged to the Optimist International. He also coached young people's basketball and baseball teams. The Fratinos' daughter Lori is married and attending Ohio State University; Maria is planning to attend Marshall College; and Michele is 13. . . . Continuing with du Pont, **David Gilbert** now serves as plant manager for the firm in Antioch, Calif. He had been assistant plant manager at du Pont's largest chemical plant in New Jersey. He has participated in the PTA, scouting, and local politics. He and Fran are the parents of Lesley, a graduate of West Chester (Pa.) State College; Dave, Jr., a student at Diablo Valley College; and Betsy, also a

Diablo student in California. In his "older years" Gilbert has given up basketball and has switched to tennis and skiing. . . . Dr. **Richard E. Gilbert** flies and runs, but says he is "not much good at either." He teaches at the University of Nebraska, is married, and has five children.

John Herz is currently active in the venture field handling corporate reorganizations and business development assignments for private firms. He had been vice president of marketing at Siemens Corp./U.S., and was associated with North American Philips, and Veeco Instruments, Inc. For years he was in the electronics field handling sales, marketing, and corporate planning and development which included assignments in Europe, the USSR, and the Near and Far East. Earlier, he spent eight years in mechanical engineering. He has an MBA from NYU. He, wife Ilse, and three children reside in Stamford, Conn. . . . **Bill Hills'** firm, Hills' Research and Development, Inc., Melbourne, Fla., continues as a manufacturer of complete machinery systems for synthetic fiber extrusion. A member of ASME, Hills also holds about 25 U.S. patents. During his career he was with Chemstrand Corp., now merged into Monsanto, until starting his own business in 1971. He headed the development of a number of fabrics and fibers while with Monsanto. Bill and his wife have two sons.

Since 1977, **Mel Holmgren** has been self employed with Sitka Electronics Lab., marine electronics service and sales, in Sitka, Alaska. He has also been employed by the Geophysical Institute of the University of Alaska, FAA of Anchorage, and Collins Radio Co., Cedar Rapids, Iowa. He attended Bethel Theological Seminary and was involved with the Missionary Communication Service. He enjoys hunting, fishing, boating, housebuilding, church activities, and ham radio. The Holmgrens have seven children. . . . **Adrian Horovitz**, vice president of Harwood Mfg. Co., Providence, R.I., is president of Temple Sinai in Cranston, R.I. He has served as president of the Hamilton Sinai Bowling League and as vice president of the Rhode Island Jewish Bowling Congress for two years. Horovitz and Deborah have two children, Amy, 19, and Jeffrey, 16. . . . **David Hoyle's** career has been in the field of instrumentation with major emphasis on applied control system design. He is chief instrument engineer for an engineering contracting firm in Boston, and has published several papers on control system design. The Hoyles have one child out of college; three in college; and a 10-year-old at home. Restoration of a 200-year-old house keeps Hoyle busy.

The main hobby for **George Ildis** is swimming, a daily activity. He is a swim meet official and officiates at the high school and college level in AAU competition. He works for Storti Associates of Warwick, R.I., as a management consultant specializing in management recruiting,

"A career change I found both stimulating, challenging, and rewarding." He had been with Bethlehem Steel Co., Shipbuilding Division, and several other companies. His children are Bonnie, Amy, and Michael. He is a past PTA president and officer in his Temple. . . . At last count, **Ted Jaros** had visited 32 countries concerning prospects for sales, marketing contracts, licensing agreements, joint ventures, or wholly owned foreign investment. Currently, he is vice president and director of strategic marketing for the Semiconductor Group of Motorola, Inc. Other employers have been Texas Instruments and GE. Daughter Susan is in her last year of law school; Joe is at Loyola Marymount; and Andy is a junior in high school. Jaros' wife Helen is a branch manager for Southwest Savings & Loan Corp., Phoenix, and has an MBA from Arizona State University.

D. Alden Johnson of Sturbridge, Mass., vice president of Montgomery Co., Inc. is also owner of Hickory Ridge Country Club. Formerly, he was employed by IBM, by Hornblower & Weeks, Hemphill Noyes, and by American Optical Co. He is a director of the Massachusetts Flower Growers Association, a corporator of Nonotuck Savings Bank, president of Sturbridge Basketball League, and is active in church affairs, and coaching basketball and baseball. He likes golf and skiing and has an MBA from AIC. He and wife Pat are the parents of Paul, 15, and Karl, 14. . . . Presently, **Jaak Jurison** holds the post of manager of Digital Systems. While with what is now Rockwell International, he designed and directed the development of several digital computers for avionics and space systems. He was associated with Sperry Gyroscope Co., and IBM's Watson Laboratories. He has an MSEE from Columbia. For two years he served in the U.S. Army Signal Corps. He is interested in computer architecture, microprocessors and fault tolerant computer systems, and has lectured on avionics computers at U.C.L.A. The Jurisons enjoy Southern California living: "Beaches. Sailing. Tennis."

1957

Secretary
Dr. Robert A. Yates
11 Oak Ridge Dr
Bethany, CT
06525

Alex Papanou's daughter is a freshman electrical engineering major at WPI. . . . Formerly the operations manager of Sprague Electric Company's filter division in North Adams, Mass., **Robert Purple** was recently named general manager of Sprague's thick-film circuit operations in Nashua, N.H. In 1958 he joined the firm as a radio interference filter engineer in Ohio. Since then, he has held various engineering, project manager, plant manager, and marketing posts in the division.



IF YOU EVER need to inspect the interior of a beaver hut, call Donald A. Carignan, MS '59. He can help you out. He once helped the U.S. Department of Interior peek into beaver huts to take a population count.

Carignan is the president of Instrument Technology, Inc. (ITI), Westfield, Mass., an engineering company specializing in the design, development, and manufacture of remote viewing instruments and systems. His firm designed a portable borescope with illumination to assist U.S. park rangers in their beaver census.

ITI, started in 1973 by Carignan, manufactures periscopes, telescopes, borescopes, fiber optic systems, and closed-circuit TV systems. "Our remote viewing instruments permit the viewing, inspection, or photographing of inaccessible objects or objects located in a hostile environment," he explains. Applications for the instruments include viewing into high radiation areas, looking underwater, and viewing into high and low temperature, highly toxic, or explosive environments, and into inaccessible areas.

Prior to founding his company, Carignan was an engineering manager at American Optical Company, Southbridge, Mass., and later a senior engineer at Kollmorgen Corp., Northampton, Mass. Since 1973, ITI, which deals primarily with quality assurance engineers and provides them with instruments necessary for visual inspection, has grown from five to twenty employees. In 1980, sales are expected to reach \$1 million. Carignan remains the optical systems engineer for the company,

and he is personally responsible for development of all systems.

A large portion of ITI's business is with the nuclear industry, which relies rather extensively on remote viewing systems for operation and inspection. ITI is currently the major manufacturer of optical systems for the U.S. and Canadian nuclear industry, and manufactures several items for export. ITI remote viewing systems are presently in use in Japan, India, Pakistan, the Republic of China, and in several European countries.

The company is also involved in the breeder reactor program with Westinghouse, and it has supplied the special periscopes for the test reactor (FFTF) at Hanford, Washington. Knowledge gained in the design of periscopes for the FFTF will be used in the first commercial breeder reactor at Clinch River, Tennessee.

The future growth of the company, however, may be in its new borescope instrument line due for release in January 1980. Borescopes are long, small-diameter optical instruments used for looking into inaccessible areas. The airlines and aircraft industries rely heavily on borescopes for internal inspection of jet turbine engines. Under a development contract funded by United Airlines in 1977, ITI developed a special jet engine borescope which is now in use at all United Airlines service centers. Other airlines are now purchasing ITI borescopes because of the experience gained by United. ITI was recently selected by General Electric and the U.S. Navy to supply borescopes for the Navy's new F-18 Hornet aircraft.

Besides serving as president of ITI, Don Carignan has other professional interests. He serves as a consultant to Princeton University for the design of remote viewing systems for the Tokamak fusion reactor. In November he traveled to Vienna, Austria, to meet with representatives of the International Atomic Energy Agency (IAEA) to assist in the development of international safeguard inspection systems. He is a member of the American Nuclear Society and current chairman of Sub Group 11.5, which is responsible for setting standards for remote viewing optical instruments. He is also a member of the American Society for Non-Destructive Testing, Inc.

Don lives with his wife Jan in Westfield. His oldest daughter, Dawn, is married and living in Vermont. His three other children — Greg, 21; Jeff, 20; and Pamela, 18 — are all engineering students at Southeastern Massachusetts University. "If any one of them wishes to pursue graduate work in engineering, I'd like them to attend WPI." In the meantime, the boys work for ITI during vacations and have learned to operate every lathe and milling machine in the shop. For the last two years they have worked on the drawing boards. "It would be nice to have them join me, but I'm not pushing it." Pam wants to combine engineering and architecture.

Because of his engineering background, Don was appointed to the Westfield High School Building Committee in 1970, and he takes pride in the new school. It took almost six years to build: four years to get voter approval, and two years for construction. Don belonged to Rotary for two years, but, because of his extensive traveling, he reluctantly submitted his resignation.

For relaxation, Carignan is involved in studying World War II in the Pacific, and his collection of books on the subject is growing steadily. His favorite means of relaxation, however, is sailing. He charters a 22-foot boat and sails out of Westbrook, Conn.

1958

Secretary:
Harry R. Rydstrom
132 Sugartown Rd
Devon, PA
19333

Joseph Gill has been elected a school committee member in Southboro, Mass., filling a vacancy caused by a resignation. He has a master's degree in business administration from the Wharton School at the University of Pennsylvania, and is a member of the advisory committee created to review the schools' progress in the state-mandated basic skills program. He is the president and owner of Vee-Arc Corp., a manufacturer of electric motor drives. The Gills have five children.

1959

Secretary:
Dr. Frederick H. Lutze, Jr.
110 Camelot Court NW
Blacksburg, VA
24060

Continuing with du Pont, **F. William Farnsworth** is now plant superintendent in Victoria, Texas. . . . **Lawrence Lavallee**, a senior engineer with RCA, is on a radar field assignment at Kwajalein Missile Range in the Marshall Islands. . . . **Philip Peirce** holds the post of quality control manager of the Worcester Group at Wright Machine. . . . In June **Joseph Prindle** completed 20 years of service with West Penn Power Company and became a member of the firm's Veterans' Association. He is division planning engineer at Keystone Division headquarters near St. Mary's, Pa. In 1959 he joined West Penn as a cadet engineer at the Greensburg general office. He became district planning engineer at Butler in 1960, transferring to Ridgway then St. Mary's the following year. In 1964 he was promoted to division planning engineer. He belongs to the Elks and the American Legion.

1960

Secretary:
Paul W. Bayliss
170 Wyngate Dr
Barrington, IL
60010

Shepard Brodie is employed as sales manager at Control Signal Corp., Denver, Colorado. . . . Dr. **Armand Ferro** has been appointed manager of the SEF and Electronic Ballast Program at the GE Research and Development Center in Schenectady, N.Y. He now heads a group of engineers and scientists engaged in developing new kinds of high-efficiency lighting systems.

Previously, he served as manager of the Device Physics Unit and had also been responsible for the development of new computer programs for simulating the behavior of a wide range of power semiconductor devices. He joined GE in 1960 at the Electronics Laboratory in Syracuse. In 1964 he started work at the Center as an electrical engineer. He has since specialized in the study of solid state devices for electronic power control, ranging from consumer to electric utility applications. As manager of the Center's Power Module Program, he specialized in high-speed switching thyristors and new methods for fabricating metal ceramic substrates for use in hybrid device assemblies. He has written or co-authored 34 technical publications and holds 15 patents. He has a PhD from RPI, and is a member of IEEE. He, his wife, and two children reside in Schenectady.

1961

Secretary:
John J. Gabarro
8 Monadnock Rd
Arlington, MA
02174

Kenneth Engvall was recently elected a selectman in Boylston, Mass. He received 282 of 325 votes cast. Engvall is a civil engineer and land surveyor at Thompson-Liston Associates, Inc., Worcester. A Boylston resident, he has served on the

local finance committee and zoning advisory committee. Also, he has been a coach and officer with the Little League. He and his wife Betsy have two children in Boylston schools.

John Gabarro, an authority on human behavior in organizations, has been promoted from associate professor to professor of business administration at the Harvard Business School. He holds an MBA and DBA from Harvard, and joined the Business School faculty as a research assistant in 1967. Earlier he had spent two years in the Army Signal Corps, and worked in the Electronics Division of Corning Glass Works. Among his recent publications, some coauthored, are "Socialization at the Top" in *Organizational Dynamics*; *Interpersonal Behavior*; and "Teaching Interpersonal Behavior." He is currently writing a new book about the ways in which new general managers develop effective working relationships with key subordinates. A director of Town and Country, Inc., Chelsea, Mass., Gabarro is also a member of the editorial boards of "Exchange," and the Public Policy and Management Program of the Intercollegiate Case Clearing House. He belongs to the American Sociological Association and the Academy of Management, and is a member and director of the Organizational Behavior Teaching Society. His wife, Marilyn, is chairman of the Department of Design at Massachusetts College of Art. The Gabaros and their eight-year-old daughter, Jana, reside in Arlington, Mass.



Morgan R. Rees, '61, of Worcester receives the Meritorious Civilian Service Medal from Colonel John P. Chandler, head of the New England Division, U.S. Army Corps of Engineers. Rees, who is chief of the Regulatory Branch at Corps headquarters in Waltham, Mass., was commended

for "outstanding professional ability, innovative leadership, and unflagging dedication to purpose." He is now on loan to Corps headquarters in Washington, D.C., to assist in reformulating regulations governing permit authorities. He and his wife, Janet, are the parents of one son, Bradley.

1962

Secretary
Harry T. Rapelje
1313 Parma Hilton Rd
Hilton, NY
14468

Roland Beauregard works as plant engineer at Glass Container in Dayville, Conn. . . . In August, Cdr. **Brian O'Connell** was reassigned as head of the Facilities Planning Dept. in the Western Division of the Naval Facilities Engineering Command. He is responsible for facilities planning and real estate for all Navy and Marine Corps activities in the western U.S.

1963

Secretary
Robert E. Maynard, Jr.
8 Institute Rd
North Grafton, MA
01536

Robert Jamaitis has been promoted to operations manager of Norden Systems, a subsidiary of United Technologies Corp. in Norwalk, Conn. He is responsible for managing, planning and coordinating Norden's manufacturing, engineering, production and plant engineering programs in Norwalk. Most recently, Jamaitis served as manufacturing manager. Since joining the firm in 1963, he has also been production control manager, overhaul and repair supervisor, and manufacturing engineering supervisor. He holds an MBA from the University of Bridgeport. The Jamaitises, who reside in Trumbull, have three children. . . . **Robert Mellor** ran for a three-year term as road commissioner in Northbridge, Mass. in May. He is a former road commissioner and chairman of the Board of Appeals. He is a registered professional engineer in Massachusetts and a manager for New England Power Service Co.

1964

Secretary
Dr. David T. Signori, Jr.
6613 Denny Pl.
McLean, VA
22101

Robert Lottero's company, Power Management Systems of Woodsville, N.H., has been awarded a Scientific Atlanta franchise for selling and installing its Hotel-Motel Energy Management System in New Hampshire, Vermont and Maine. Lottero is a co-founder of the firm, which is concerned with the conservation and management of electrical energy. Power Management provides a consulting service in the commercial-industrial electrical energy market, with Lottero being primarily concerned with the consulting and engineer-

ing. Previously, he worked ten years as assistant electrical engineer for Public Service and two years as an independent consulting engineer specializing in utility work.

1965

Donald Carlson recently was elected a director of NSK-Torrington Co., an 18-year-old joint venture for the manufacture of roller bearings. . . . Still with W. R. Grace & Co., **Leonard Feldman** is now plant manager in the Construction Products Division in Jacksonville, Fla. . . . **William Hopkins** has been elected a vice president of Stone & Webster Management Consultants, Inc., New York City. He will have project management and marketing responsibilities in relation to the company's consulting services in the rates and regulatory areas. Working at Stone & Webster since 1967, Hopkins has been involved in numerous assignments with gas and electric utilities in the preparation and presentation of rate cases. Presently, his responsibilities include rates and regulatory studies with gas utilities in three Canadian provinces and work with DOE. Earlier, he was with New England Gas & Electric Co. in Massachusetts. He has studied business administration at NYU Graduate School of Business Administration. The Hopkinses and their children, Carol and Richard, enjoy summering on Westport Island, Me., and taking backpacking trips in the mountains.

Continuing with IBM, **Michael Oliver**, is now an advisory programmer and has technical responsibility for one of IBM's data entry systems. Last year he and his family spent six months in the Netherlands on a business assignment. They lived near Amsterdam, and traveled throughout Europe. "We thoroughly enjoyed our stay." . . . **Thomas Pease** has received a PhD in oceanography from New York University. . . . **William Wyman** has accepted a transfer to Cairo, Ga. with the Torrington Co.

1967

Secretary
John L. Kilguss
5 Summershade Circle
Piscataway, NJ
08854

William Carboni recently became an associate of the Spink Corporation, a leading engineering and architectural firm in Sacramento, Calif. He and his wife Charlene have an 11-year-old daughter, Jennifer. . . . **Joe Cieplak** now works as a proposal engineer for the Wilson Instrument Division of ACCO Industries in Bridgeport, Conn. He writes all proposals for custom-engineered hardness testing systems. . . . **Allen Ikalainen** has been appointed chief of the Special Permit Development Section, Permits Branch, of the Enforcement Division, EPA-Region 1, in Boston. Also, he was elected to the board of managers of the Village Condominium Association in Watertown, Mass. . . . Currently, **Roy Lindquist**, is a senior R&D engineer at Glitsch, Inc. in Dallas, Texas. He serves as secretary of the Dynamic Systems Control Division, ASME. The Lindquists and their two children reside in Richardson, Texas. . . . **Jonathan Worthley** left the Air Force last year and is presently a member of the technical staff of the MITRE Corporation in the Bus Network Systems Department.

1968

Secretary:
Charles A. Griffin
2901 Municipal Pier Rd.
Shreveport, LA
71119

►**Married:** **Robert V. Gemmer** and Miss Claudia A. Bloomfield in East Lyme, Connecticut on June 23, 1979. Mrs. Gemmer, who holds a BS in nursing from the University of Connecticut, is employed by the East Lyme Nursing Association. The groom is a chemist in Branford. He has a doctor's degree from Stanford University.

Michael Babin is now registered as a professional engineer in California. . . . **Victor Calabretta** has been named assistant vice president at CE Maguire, Inc., Providence, R.I. He serves as manager of Maguire's Civil and Marine Division and is responsible for world-wide port and ocean engineering projects, as well as those on the Eastern Seaboard. Other responsibilities include dams, flood control, and heavy civil works. With Maguire since 1971, Calabretta holds an MSCE degree from WPI. Earlier, he was an officer in the Civil Engineer Corps, U.S. Navy. He is a registered professional engineer, and belongs to ASCE, SAME, and the Society of Naval Architects and Marine Engineers. The Calabrettas live in Jamestown, R.I. with Christopher, 4, and Katherine, 1.

Kenneth Crawford works for Pennwalt Corp. in Belville, N.J. . . . **Robert Demers** has a new position as staff assistant, Division of Pulmonary Medicine, at the University of Massachusetts Medical Center in Worcester. He also serves as an instructor in medicine at the Medical School. . . . **Kenneth Gminski** received his MBA from Rivier College, Nashua, N.H., which he attended nights for four years. He is still a senior resident field engineer in New Hampshire for Factory Mutual Engineering. . . . **David Gradwell** continues with IBM, and is an industry administrator in White Plains, N.Y. . . . **Walter Sackmann** holds the post of fluid power specialist at Hydro Air of Conn., Inc., in North Haven.

1970

Secretary:
F. David Ploss III
208 St. Nicholas Ave.
Worcester, MA
01606

►**Married:** **Paul A. Akscyn** and Gail L. Spies on May 26, 1979. Mrs. Akscyn graduated from the University of Houston. She is a legal assistant for Fullbright and Jaworski. Her husband is a senior instrumentation engineer for Litwin Corp., Houston, Texas.

W. Todd Akin has been appointed to the position of assistant superintendent of maintenance and construction at Laclede Steel Company's Alton, Ill. steelworks. He joined the company last year. Prior to that, he was with IBM. . . . **Mark Gemborys** received his PhD in chemistry from Dartmouth College in June. From 1970-1972 he was a first lieutenant in the U.S. Army stationed at Fort Ord, Calif. Currently he is working in association with Dr. Gilbert Mudge in the department of pharmacology at Dartmouth Medical School, Hanover, N.H. He, his wife Janet and children, Nicole, 6, and Brian, 4, reside in West Lebanon.

1969

Secretary:
James P. Atkinson
41 Naples Rd.
Brookline, MA
02146

►**Born:** to Mr. and Mrs. **David Zlotek** their second daughter, Katherine, in March. Patricia is three. Zlotek is president and co-owner of Hampshire Electronic, Inc. in New Hampshire.

Andrew DiLeo works as a structural engineer with Glenn Consultants in Phoenix, Arizona. . . . **Joseph Fitzgerald, Jr.**, a registered professional engineer, is presently a project engineer at Matrix Engineering, Inc. He and Shirley are the parents of Erin Elizabeth. . . . **John Poblocki** has been appointed director of economic development of the Blackstone Valley Chamber of Commerce, Pawtucket, R.I. Since last September he has been serving as industrial development specialist. Previously, he has been director of the Department of Planning and Development for the City of Woonsocket. He will also now serve as project manager for the Second Pawtucket Area Industrial Development Foundation, Inc.

1971

Secretary:
Vincent T. Pace
4707 Apple Lane
West Deptford, NJ
08066

►**Married:** **Ralph H. Reddick** to Meredith A. Cooper on May 20, 1979 in Kalamazoo, Michigan. Mrs. Reddick graduated from Eastman School of Music, Rochester, N.Y., and has completed one year of graduate work. The bridegroom has a bachelor's degree in music from the University of Connecticut, and a master's degree from Eastman School of Music. They have both signed a two-year contract to perform with the Caracas (Venezuela) Symphony orchestra — the bride as a cellist and the groom as a string bassist.

►**Born:** to Dr. and Mrs. **Douglas E. Holmes** a son, Matthew Douglas. Having received his PhD in materials science and engineering from MIT, Holmes now works at Hughes Research Labs in Malibu, Calif., where he is investigating III-V compound semiconductors. . . . to **Paul** and **Nancy Wood Popinchalk**, '73, their second son, Samuel. (Seth is three.) Paul is with Valmont Energy Systems working in solar energy. Nancy is a "full-time" mother.

Daniel Donahue has received his master's in engineering from Tufts University School of Engineering. . . . **John Giordano** has joined Hospital Trust National Bank, where he is management science officer in the Automated Information Department.

He is responsible for the new management science section, which supports the bank in quantitative decision making. He has an MBA from the University of Rhode Island, and previously was with the Old Stone Bank in Providence. . . . Last spring **Walter Jensen, Jr.**, was named by the student body at Central New England College, Worcester, as the 1979 recipient of the Excellence in Teaching Award. The award is based on knowledge of subject material, presentation techniques, practical application, and personal assistance to students. Jensen has taught courses in physics, chemistry, engineering, and mathematics at CNEC for 24 years. He is graduate of McGill University and holds a master's degree from WPI. A member of the Mathematics Association of America, he also belongs to the American Mathematical Society and the Mathematics Association of Two-Year Colleges in Massachusetts.

R. Daniel Jimenez, who has a PhD from the University of Texas, continues with ITESM Physics Dept., Sucursal de Correos "J", Monterrey, Mexico. . . . **Chia-Soon Ku** is a senior chemical engineer in the National Bureau of Standards, Washington, D.C. . . . **Dana Worthley** works for the Fram Corporation, East Providence, R.I. in product field testing.

1972

Secretary:
John A. Woodward
101 Putnam St.
Orange, MA
01364

John Kaletski has been named manager of industrial engineering at Clairol's Stamford (Conn.) manufacturing facility. Since joining the firm in 1972, he has served as supervisor of aerosols and department head of sundries packaging. Presently, he is working for his MBA at the University of Bridgeport. . . . Still with Power Technologies, Inc., **Timothy Laskowski** currently resides in Rio de Janeiro, Brazil. . . . **Ted Martin** serves a technical service representative for MacDermid of Waterbury, Conn. . . . **David Meyer** is certified and a member of the American Production & Inventory Control Society. He is a consultant at Rath & Strong, Inc., Lexington, Mass.

Glenn Mortoro received an MBA from Bryant College in May. He has an MSME from the University of Connecticut, and is employed as an equipment engineer by Texas Instruments. . . . **Richard Sojka** is the new manager of production for the day shift at Clairol's Stamford (Conn.) facility. He is responsible for production of all of Clairol's products in the Stamford plant. Earlier, he was senior project engineer; department head of receiving, warehousing and inventory control; and department head of oxidation packaging. He started work at Clairol in 1972.

1973

Secretary:
Jay J. Schnitzer
322 St. Paul St
Apt. #3
Brookline, MA
02146

►**Married:** **Richard W. Graham** and Lynne D. Grossmith on May 12, 1979 in Foxboro, Massachusetts. The bride graduated from Westbrook College, and is a secretary at Norwood Hospital. The groom works as branch manager for Old Colony Bank and Trust Co., Medfield, Mass.

►**Born:** to Mr. and Mrs. **Roger Lavallee** their first child, Michelle Marie, last September. Presently, Roger is an actuarial studies specialist in the Life Division of Aetna Life and Casualty in Hartford, Conn. His duties include competitive studies, monitoring insurance replacement activity, new product development, and analysis of state and federal life insurance regulations and their effects on company business.

Joyce Caplovich is employed as a consultant with Comptech, Computer & Management Services, East Hartford, Conn. . . . **Philip Mazzola** is a process engineer at du Pont, Chambers Works-elastomers, in Deepwater, N.J. He is a professional engineer in Delaware. He and his wife May live in Wilmington. . . . **Paul Parulis**, a senior operations engineer at General Dynamics-Electric Boat, has been elected to the Water and Sewer Commission in Waterford, Conn. . . . Dr. **Thomas Szymanski** is working for Exxon's Research and Development Laboratory in Baton Rouge, La., where he is concerned with basic fuels research. He holds an MS and PhD in inorganic chemistry from Northwestern University, Evanston, Ill. . . . **Steve Turo** serves as a process development engineer at Fiber Industries in Greenville, S.C.

►**Born:** to Lt. and Mrs. **James Asaro** a son, James Michael, Jr. last November. Asaro, who was recently promoted to lieutenant in the Navy, has been designated a patrol plane commander in the P3C aircraft. This October he is being transferred to NAS, Milton, Fla. to become a flight instructor in the Naval Training Command. . . . to Mr. and Mrs. **Gordon Woodfall** a son, Justin, on November 2, 1978. Woodfall is a production control manager at Texas Instruments in Attleboro, Mass.

Jonathan Barnett is with Firepro, Inc., Wellesley Hills, Mass. . . . **James Carr, Jr.** continues as a partner in H. Carr & Sons, Inc., Providence, R.I., a \$6 million a year, diversified wall and ceiling firm. . . . **John Fellows** serves as a senior product engineer at Peabody Process Systems in Stamford, Conn. . . . Currently, **David Gerth** works for Arthur Andersen & Co. as a management consultant in the Administrative Services Division. He has an MBA from Amos Tuck School at Dartmouth College.

Richard Ludorf continues as an engineer associate at Duke Power Co., Charlotte, N.C. . . . **David Teixeira** is assistant project engineer at Gilbane Building Co., Providence, R.I. . . . **Stephen Thibodeau** recently graduated from the University of Washington in Seattle with a PhD degree in biochemistry. He will pursue post-doctorate studies in research at the Mayo Clinic in Rochester, Minn. . . . **Robert Trotter** started as the PROCO injector design engineer in engine engineering at the Ford Motor Company in Michigan last February. He had been a senior engineer at American Bosch Division of AMBAC Industries in Springfield, Mass. His wife Robin is the confidential secretary to the president at Anchor Motor Freight.

. . . **Samuel J. Hutchinson** and Miss Mayling Ju on June 2, 1979 in Marlboro, Massachusetts. The bride is a senior at Framingham State and attended Emmanuel College and Boston State College. She is a senior computer operator for the software development group at Digital Equipment Corp. in Marlboro. Her husband, who attended Bentley College, is in the commodity resource accounting administration for the corporate data centers of Digital in Maynard.

►**Born:** to Mr. and Mrs. **Michael J. Dudas**, a son, Michael John Dudas, Jr., on June 1, 1979.

Michael Aspinwall is planning manager at FMC Corp., Philadelphia. He has an MBA from the University of Chicago. . . . **Bruce Chamberlin** has transferred from the Photo Products Department to the Textile Fibers Department as an R&D engineer at du Pont in Wilmington, Delaware. He and his wife Susan reside in Seaford. . . . **Bruce Croft** was awarded a doctor of podiatric medicine in May at the Illinois College of Podiatric Medicine in Chicago. He was also awarded a Class of 1979 Service Award, and is a member of Kappa Tau Epsilon. Presently, he is in a podiatric residency program at Hines Veterans Administration Hospital, Hines, Illinois.

William Cunningham has joined the Electronics Corporation of America, Cambridge, as the manager of systems application engineering. The firm manufactures burner management systems which monitor and control steam generators for utilities and industries. Formerly, Cunningham was a project engineer with Foster Wheeler Energy Corporation in Livingston, N.J. He holds an MS from WPI, an MBA from Western New England College, a BS from Northeastern and an associate degree from Worcester Junior College. . . . Recently, Dr. **Francis Kiernan** received his degree in medicine from the University of Connecticut. He is now in a residency program in internal medicine at Hartford (Conn.) Hospital. . . . **Richard Mariano** serves as process analyst at Gillette in Andover, Mass.

Donald Taddia is a senior staff engineer in the Allegheny County Department of Aviation at the Greater Pittsburgh (Pa.) International Airport. He is a registered land surveyor in Pennsylvania. . . . **Paul Varadian** has left the corporate staff of Texas Instruments, Inc. to form Landmark Properties, a real estate brokerage and development firm operating out of Newton, Mass. The firm is actively engaged in the brokerage of commercial, industrial, and investment property; selling and trading of existing businesses; and the relocation and expansion of major corporations. Recently, Landmark Properties has entered the development field, specifically in the rehabilitation of older structures throughout New England into residential and commercial usage. . . . **Stephen Werner** is employed as senior engineer at Boeing Wichita in Wichita, Kansas.

1975

Secretary:
James D. Aceto, Jr.
70 Sunnyview Dr
Vernon, CT
06066

►**Married:** 1/Lt. **Paul Bianchet** and Patricia M. Burns on May 5, 1979 at Plattsburgh (N.Y.) Air Force Base. Mrs. Bianchet graduated from Our Lady of Victory Secretarial School, Plattsburgh, and is a civilian secretary at Plattsburgh AFB. The groom is assigned to the 380th Civil Engineering Squadron at the base. . . . **Joseph T. DelPonte** to Judy McKinney on January 27, 1979. The bridegroom is a physicist-engineer at Boeing Wichita Co. in Kansas.

1974

Secretary:
James F. Rubino
18 Landings Way
Avon Lake, OH
44012

►**Married:** **Jeffrey C. Lindberg** and Kathleen M. Loughrey in Holyoke, Massachusetts on May 12, 1979. Mrs. Lindberg, a registered nurse, graduated from St. Vincent Hospital School of Nursing and Worcester State College. Her husband has an MSME from WPI, and is with Norton Co., Worcester.

1976

Secretary:
Paula E. Stratouly
318 Thornberry Court
Pittsburgh, PA
15237

►**Married: Gary Chabot** and Cathy L. Honeycutt on June 2, 1979 in George, Utah. The bride, a student at Del Mar Junior College, is employed at Revett Air Conditioning. The groom is with Corpus Christi Petro Chemical in Texas. . . . **Earl T. Chapman** and Marie R. Prizzi in New York on May 19, 1979. Mrs. Chapman holds degrees from Alfred University and Nazareth College, and is employed by the East Rochester School District. Her husband is at Eastman Kodak. . . . **Walter X. Zukas** and **Paula J. Belair** on June 30, 1979 in Worcester. Mrs. Zukas, a software engineer at Sander's Associates, Nashua, N.H., is also a graduate student at the University of Lowell. Her husband is in the graduate program at the University of Massachusetts, Amherst.

Robert Barnes, Jr. is a research engineer at American Cyanamid in Stamford, Conn. . . . **Stephen** and **Noreen Pirog Borys** are both employed by Exxon in Houston, Texas. Stephen holds the post of senior technical analyst at Exxon Co. USA, and Noreen serves as a design engineer for Exxon Pipeline Co. . . . **Jeffrey Burek** currently works for GE in Lynn, Mass. He and his wife Mary Ann (McDonald) Burek, Becker, '75, reside in Maynard. . . . **Randall Emerson** works as a technical representative at Kemper Insurance Co., North Quincy, Mass. . . . **Walter Grandfield** continues with Motorola in Plantation, Fla. . . . **Jeff Gravidahl** is a sales representative at A. MOE & Co., Inc., Philadelphia, Pa. . . . **Ross Greenberg** has been accepted at medical school and will be attending the State University of New York at Buffalo.

John Highman now works for Analogics, Inc., Wakefield, Mass. as an assembly language programmer. . . . Continuing with Kodak, **Paul Jacques** is presently assigned as a project engineer in the machine design development group. . . . Since April, **John Maxouris** has been concerned with systems at United Jersey Bank. He also coaches and plays with the New York Astros, a semi-pro soccer team in New York. . . . **Phil McNamara**, still with Electric Boat-General Dynamics, continues as a nuclear shift test engineer. . . . **James Russo** is a project manager at Charles Jewett Corp., Glastonbury, Conn.

1977

Secretary
Kathleen Molony
Apt. #1
29 Seaview Ave
Norwalk, CT
06855

►**Married: Allen F. Apel** to Miss Jayne F. Lewis in Beacon, New York recently. Mrs. Apel graduated from Clarkson College of Technology and is a programmer-analyst at Pratt & Whitney Aircraft, East Hartford, Conn., where her husband is also a programmer-analyst. . . . **David R. Bolin** and Miss Jill E. Holman on June 16, 1979 in Hopkinton, Massachusetts. The bride graduated from Becker and Bentley College. Her husband is studying for his doctorate in chemistry at MIT. . . . **Gerard M. Chase** to Cynthia M. Hastings in Suffield, Connecticut on May 5, 1979. Mrs. Chase is a graduate of Hartford State Technical College. She is employed by United Illuminating Co., New Haven, as a technical assistant in the ME department. The bridegroom, also employed by United Illuminating (Bridgeport), is a results laboratory supervisor. . . . **Joseph J. Kilar** and Nancy I. Schattner recently in Peabody, Massachusetts. The bride is a Becker graduate and is employed as a medical assistant in Salem. Her husband works for Turner Construction Co., Boston. . . . **Mark W. Popham** and Miss Brenda L. MacEwen on May 12, 1979 in Athol, Massachusetts. Mrs. Popham graduated from Athol High School and is in the sales department at L. S. Starrett Co. The groom is an environmental engineer for Cullinan Engineering of Athol.

Chris Cocaine now works as a mechanical consulting engineer in the Machinery Division of USM Corp. in Beverly, Mass. . . . **Charles Dreyfus III** is studying for his master's and doctorate degrees in the mathematics department at the University of Colorado at Boulder, where he also teaches. . . . **George Harding** serves as an environmental engineer with the EPA in Region I, Boston, and attends Suffolk Law School at night. . . . In May, **Thomas Killeen** was promoted from assistant property consultant to property consultant at Employers Insurance of Wausau. . . . **Jim Leary**, a transportation planner in Worcester, has created Worcester's first comic strip, "Common People," which appears in *Worcester Magazine*. . . . **Gary Loeb** serves as assistant to the superintendent of Niagara Mohawk's Albany steam plant. He is a senior deacon of Washington Lodge (Masons) in Albany. . . . **Joan Lyshak Roy** has been named systems analyst in the data processing group of Bay State Abrasives, Westboro, Mass. Previously, she was a programmer-analyst at the American Mathematical Society in Providence, R.I. . . . **Scott Saftler** holds the post of technical representative in the Cambridge,

Mass. office of National CSS. He writes, "Some of my customers include old classmates at WPI (**Amy Schneider**), and a former professor in the computer science department, Dennis Barlow."

1978

Secretary
Cynthia Grynck
303 Wolcott St
Waterbury, CT
06705

►**Married: Constance M. Cunningham** and Brian M. Grenda on July 7, 1979. Mrs. Grenda, who is at the University of Lowell, is employed by Raytheon Co. Her husband graduated from Lowell Technological Institute and is a senior industrial engineer at Raytheon in Andover. . . . **Ronald E. Fish** and Miss Marcy B. Elden on June 3, 1979 in Swampscott, Massachusetts. The bride has a BA in social work from Fairleigh Dickinson University, Teaneck, N.J. Formerly with Metritape, Inc., Concord, Mass., the bridegroom is now an engineer with Boeing Co. located at Edwards Air Force Base in California. . . . **David T. Hawley** and Martha A. Gross in Thomaston, Maine on May 26, 1979. Mrs. Hawley graduated from the University of Southern Maine. Her husband serves as vice president of Howard Products in Worcester.

Robert P. Lavieri II and Miss Kathleen M. Grant in Worcester on June 9, 1979. The bride is a student at Boston University. The groom is manufacturing manager for Procter & Gamble in Quincy, Mass. . . . **Steven R. Mickool** to Lauren M. Heath on May 26, 1979 in Manchester, Connecticut. Mrs. Mickool graduated from Manchester High School and is an engineering secretary. Her husband works for Pratt & Whitney in Connecticut. . . . **Robert H. Warburton, Jr.** and **Kathleen A. Fitzgerald**, '79 on June 30, 1979 in West Springfield, Mass. The groom is with Babcock and Wilcox in Denver, Colorado.

William Christian serves in the Peace Corps and is with the Water Development Department in Kahamega, Kenya. His wife, Susan, teaches in Kahamega General Hospital. . . . **Henry Daley** is a teaching assistant at the University of Arizona in Tucson. . . . Buffalo Forge Co., Pumps Division, of North Tonawanda, N.Y., has employed **Richard Egerton** as a project engineer. . . . **David Fisher** has joined The Trane Company's Commercial Air Conditioning Division at the Roanoke, Va. sales office. He recently completed the six-month Trane Graduate Engineer Training Program, which concentrates on specialized heat transfer theory and practice as well as in-depth coverage of company products. Trane is a leading manufacturer of air conditioning, refrigeration, and heat transfer equipment for commercial, residential, industrial, transport and special process applications and has facilities worldwide. . . .

James Fowler is an engineer-in-training at Naval Sea Systems Command in the Department of the Navy, Washington, D.C.

Peter Hayden spoke on leadership and service at the Athol (Mass.) High School annual Honor Society banquet in May. He was president of the local chapter in 1973-74. . . . **Erik Hedberg** is studying for his MS in science at the University of Miami. . . . **Sandra Hoyle** has joined Digital Equipment Corp., Tewksbury, Mass. as a product support engineer. . . . **Amy Hunter** is an associate financial analyst in field engineering at Data General Corp. in Westboro, Mass. . . . **Kenneth King** has been promoted to assistant engineer in the Western Division at the Public Service Company of New Hampshire in Keene. Formerly, he was an assistant engineer in the general engineering office. The Kings have one daughter, and have moved to Keene from Manchester. . . . **W. Charles McGovern** works as an electrical engineer at Raytheon Co. in Sudbury, Mass. . . . **John Melillo, Jr.** is also at Raytheon in Sudbury. . . . **John Moulton** is with Robert Bosch, Bamberg, West Germany.

Wayne Noss is on the research staff at MIT. . . . **Sergej Ochrimenko** is employed by Spencer White & Prentiss, Hackensack, N.J. . . . **Richard Ruscito** serves as a chemical engineer at the U.S. Naval Ordnance Station in Indian Head, Maryland. . . . **John Zimmer** received a letter of commendation from the general manager of Westinghouse' Bettis Atomic Power Laboratory regarding his outstanding efforts during the Three Mile Island incident. The letter stated: "This was a very difficult and crucial period and the outstanding efforts of people like you help Westinghouse and the Bettis Atomic Power Laboratory maintain their fine reputation in the nuclear industry." A commendation letter was also sent to Bettis by Admiral H. G. Rickover of the Department of Energy who said, "It was an outstanding job." John is with the reactor servicing A4W project, West Mifflin, Pa. During the Three Mile Island incident he was on the Task Force which drained flammable gases back into the containment building and separated them for discharge and decontamination.

1979

►**Married:** **John A. Auger** and Sarah Bowden on July 1, 1979 in Worcester. The bride is a Becker graduate. The groom is with Parker-Hannifin in Ravenna, Ohio. . . . **Philip J. Cameron III** and Miss Robin A. Masciadrelli on June 9, 1979 in Westfield, Massachusetts. Mrs. Cameron graduated from Becker. Her husband has joined Clairol in Stamford, Conn. . . . Miss **Diane E. Curren** to the Rev. David Bird in Connecticut on June 9, 1979. The groom graduated from St. David's College, Wales, and General Theological Seminary, New York City. . . . **Jeffrey S. Duhaime** and Miss Amy E. Somers in Waterbury, Connecticut on June 30, 1979. The bride goes to Fairfield University. Her husband is a test engineer at Sikorsky Aircraft in Stratford, Conn. . . . **Thomas N. Falls** and Nancy J. Disbrow in Milford, Connecticut on June 9, 1979. Mrs. Falls holds an AS degree in informational systems from Quinnipiac College. The bridegroom is design engineer at Kimberly-Clark, Neenah, Wisc. . . . **Michael G. Gallerani** to Miss Sharon Goodwin in Connecticut on June 16, 1979. The bride graduated from Barrington College in Rhode Island and has, until recently, been employed as associate in admissions at the college. Her husband is in manufacturing management at General Electric in Oberlin, Ohio. . . . **Lawrence C. Hughes, Jr.** and Ginnie L. Young on April 21, 1979 in Webster, Massachusetts. Mrs. Hughes graduated from Bartlett High School. Her husband is a laboratory research technician for United Technologies Research Center, East Hartford, Conn. . . . **Philip H. Turek** and Susan M. Easley in Manchester, Connecticut on June 16, 1979. Mrs. Turek is a Becker graduate. The groom works for Parker-Hannifin in Ohio.

John Arnold presently acts as a consultant at Interactive Systems, Inc. in Boston. He is a trustee of the Westborough Public Library. . . . **David Bachiochi** holds the post of scientific programmer with Pratt & Whitney Aircraft Group in Hartford, Conn. . . . **David Bergeron** is with Leominster (Mass.) Tool Co., Inc. . . . **Francis Biagiarelli** is employed by the Petroleum Services Group of Dresser Industries, Inc., Houston, Texas. . . . Presently, **Paul Blackmer** works as a manufacturing management trainee at GE. . . . **Joan Bolduc** has been employed by Procter & Gamble at the Winton Hill Technical Center in Cincinnati, Ohio. . . . **Keith Bonn** works as a design engineer in the Commercial Products Division at Pratt & Whitney Aircraft. . . . **Allen Buchinski** serves as a research assistant in the ME department at WPI. . . . **Paul Burgarella** is with Sprague Electric in Worcester. . . . **Stephen Capoto** has joined GE as a sales engineer. . . . **Joseph Carbone** is a senior design engineer at Teradyne in Boston.

Joseph Carolo has joined Hewlett-Packard, Lexington, Mass., as a staff engineer. He belongs to the Unity Athletic Club. . . . Currently, **Wallace Catanach III** is an experimental engineer at Warner & Swasey in Worcester. . . . **Karen Chesney** holds the post of operations supervisor at AT & T Long Lines, Freehold, N.J. . . . **C. James Cook** is a software engineer at Prime Computer, Inc., Newton, Mass. . . . **Albert Cormier** serves as a technical representative for Kemper Insurance in North Quincy, Mass. . . . **Charles Cox** is in research and engineering at Eastman Kodak. . . . **Philip Cullin, Jr.** has been employed by the Portsmouth (N.H.) Naval Shipyard as an electrical engineer. . . . **Kevin Doherty** and **John Fitzgerald** are management trainees at P. J. Stella, Wakefield, Mass. . . . **Judith Dorkin** works as a staff assistant in network distribution at the Southern New England Telephone Co. in Hamden, Conn. . . . **Sandra Dorr** was recently named as assistant programmer for IBM at Middletown Navy Base in Rhode Island. . . . **Steven Drawe** has been employed as a chemical process engineer at Eastman Kodak Co. . . . **M. Beth Driscoll** holds the post of operations supervisor in the management development program at AT&T Long Lines in Springfield, Mass. . . . **Mary Dunn** has been employed by Digital Equipment Co., Colorado Springs, Colorado.

LFE Corporation, Waltham, Mass. has tapped **William Englemann** as a project engineer. . . . **Mary Farren** serves as a junior engineer at IBM in Poughkeepsie, N.Y. . . . **David Ford** works for Bernard Johnson, Inc., in Washington, D.C. . . . **Louis Frascotti** is a technical representative at Kemper Insurance Co., North Quincy, Mass. . . . **Arthur Girard** is a neighborhood coordinator for the Memorial Square Citizens Council in Springfield, Mass. . . . **Kevin Grealish** works as a structural engineer at Pratt & Whitney Aircraft, East Hartford, Conn. . . . **Donald Griglack** is now a process engineer at American Cyanamid's Fortier Plant in Westwego, La. . . . **Daniel Grossman** works for Cambridge Telecommunications, Inc., Burlington, Mass. He is a systems engineer in the software group. . . . **Kirk Gustafson** serves as a power plant analyst at Pratt & Whitney Aircraft. . . . The Trane Co., Lacrosse, Wisc., has employed **Robert Hart**. . . . **Suzanne Hess** is a technical sales representative with Exxon of Houston, Texas. . . . **Robert Howe** holds the post of design engineer at Hamilton Standard in Windsor Locks, Conn.

John Jacobson is with GE in Lynn, Mass. . . . **Paul Keary** is employed as a field engineer at Shell Oil Company in Houston. . . . Currently, **Paul Keenan** is with GE. Previously, he had been a self-employed house painting contractor. . . . **James Kelleher** is with IBM, Newport, R.I. . . . **Daniel Kennefick** serves as a project engineer at du Pont's Louisville (Ky.) Works. . . . **Andre Labrecque** works as a production planner at Armstrong Cork in Lancaster, Pa. . . . American Hospital Supply Corp., Miami, Fla., has hired **Terry Langevin** as an associate engineer in the Dade Division. . . . **Stephen Laskowski** has been named an estimator at Westcott Construction Co. in North Attleboro, Mass. . . . **David Mangini** is employed as a staff engineer in Network Operations at Southern New England Telephone Co. in New Haven, Conn. . . . **Larry Marino** is with AT&T in Worcester. . . . **Alfred Marotta** holds the position of electronic engineer at Griffiss AFB in Rome, N.Y. . . . **Christopher Mather** has been appointed staff engineer at Hewlett-Packard Company in Syracuse, N.Y. . . . **Mark McCabe** works as a project superintendent at Ernest Guigli and Sons, Inc., Wellesley, Mass. . . . **Michael McDonald** is an engineering field representative in Industrial Risk Insurers in Hartford, Conn. . . . **Paul McKeown** serves as an associate engineer at Westinghouse Bettis Atomic Power Lab., West Mifflin, Pa. . . . **John Meader** has been employed by Dewberry, Nealon & Davis in Vienna, Va. . . . **James Michaud** holds the post of technical representative in the HPR Department at Kemper Group in Syracuse, N.Y. . . . **Jeffrey Mills** is a graduate student in the ME Department at Duke University, Durham, N.C. . . . **Carl Nyerick** works as an associate engineer at Westinghouse Bettis Atomic Power Laboratory in West Mifflin, Pa. . . . **David Ofcarcik** has been named a field engineer at GE in Wellesley, Mass. . . . **Bharvi Parikh** is employed in the QYX Division of Exxon in Lionville, Pa. . . . **Keith Payea** has joined Paratronics, Inc., San Jose, Calif. . . . **Richard Perry** is an industrial engineer with the Torrington Co. in Connecticut. . . . **Michael Poirier** teaches in the Peace Corps in Kenya. . . . **Daniel Pouliot** is a management trainee at New England Telephone, Framingham, Mass. . . . **Michael Rafa** has accepted a position with Westinghouse in conjunction with the company's graduate placement program. . . . **Robert Reed** is in engineering and production management in the central division of U.S. Steel in Gary, Indiana. . . . **Gordon Reynolds, Jr.** has joined KVB, an air pollution consulting firm in Hartsdale, N.Y. He is a consulting engineer. . . . **Laurent Rheault** works as a field service engineer at Babcock & Wilcox Co., New York City. . . .

Tom Rockwood holds the post of team manager at Procter & Gamble Paper Products Co., Mehoopany, Pa. . . . **Phillip Roux** is with QYX, a Division of Exxon Enterprises in Lionville, Pa. . . . **Kenneth Roy** has joined Honeywell's Marketing Operation in Billerica, Mass., where he is a minicomputer analyst. In his new post he analyzes technical product information and provides sales support to the marketing operation. Roy has an MSCS from WPI. . . . Currently, **Philip Rubin** is a research assistant at WPI. . . . **Stephen Rusckowski** is in production management at Procter & Gamble, Quincy, Mass.

Ensign **Robert Sachuf**, USN, is assistant public works officer in charge of construction at the Naval Communication Station in Stockton, Calif. He belongs to the American Nuclear Society, the National Society of Professional Engineers, Society of American Military Engineers, and ASME. . . . **Sanford Selman** has been appointed an associate engineer at Potomac Electric Power Co., Washington, D.C. . . . **Peter Simonson** has accepted a position with Sanders Associates, Inc., Nashua, N.H. . . . Pratt & Whitney of West Palm Beach, Fla. has employed **Joseph Spinn** as an analytic engineer in the Government Products Division. . . . **Jeffrey Stickles** is currently a manufacturing management trainee at GE in Erie, Pa. . . . **Beth Stone** holds a post concerned with optics at IBM Corp. in East Fishkill, N.Y. . . . **David Szkutak** serves as a process supervisor at Procter & Gamble Mfg. Co., St. Bernard, Ohio. . . . **George Tompsett III** is with Hamilton Standard in Windsor Locks, Conn., where he is an associate engineer in manufacturing. . . . **Susan Turner** is presently at Cornell University working for her MS in geotechnical engineering. . . . **Frank Urbanski** works as a process engineer at Stauffer Chemical Co., Delaware City, Del. . . . **Harold Watts, Jr.** is a design engineer at Harris Corp., Westerly, R.I. . . . **John Willemain** was recently employed as a mathematics teacher at South Hadley (Mass.) High School.

NATURAL SCIENCE PROGRAM

Dr. **Jerry Jasinsky, '68**, assistant professor of chemistry at Keene (N.H.) State College, presented a program on energy and environment at the Masonic Lodge in Windsor, Vt. in May. He received his BA and MST from the University of New Hampshire, and his PhD in chemistry from the University of Wyoming. He belongs to the American Chemical Society, Sigma Xi, and the American Association for the Advancement of Science.

Larry George '78, has been appointed principal of the Henniker (N.H.) Schools. There were 80 candidates for the position and five finalists. Criteria for the post were: curriculum development and teacher evaluation skills, disciplinary standards, commitment to excellence, ability to work as a member of an administrative team, and communication skills. George holds a BA from Gordon College and has attended Salem (N.H.) State University and Wisconsin State University. He taught science for two years, and has been assistant principal in Amesbury, Mass.

Stanley Bebyn, '79, teaches at Bennet Junior High School in Manchester, Conn. . . . **Anne Browne, '79**, is at Lunenburg (Mass.) High School. . . . **Anthony Messa, '79**, is a teacher at Manchester Memorial High School in New Hampshire. . . . **Paul Starek, '79**, of Holliston, Mass., is on the staff at Rindge Tech. in Cambridge. . . . **Robin Williams, '79**, teaches at Ahern Intermediate School in Foxboro, Mass. . . . **Paul Zeolla, '79**, who resides in Dedham, Mass., is employed as a staff member at Walsh Middle School in Framingham.

SCHOOL OF INDUSTRIAL MANAGEMENT

During his career, **Bob Baxter, '53**, has served as New England sales administrator for the Wickwire Spencer Steel Division of Colorado Steel and Iron; national sales manager for a Massachusetts conglomerate; and national sales manager for Steel Fab, Inc., Fitchburg, Mass. In 1974 he formed Baxter Enterprises, acting as representative and broker for several large firms located in the East. Currently, the firm operates strictly within the steel trade and represents a large foundry, a pipe manufacturer, a structural steel company, a perforated metal, expanded metal, and textured metal company, and a tool and die manufacturer. Growth for Baxter Enterprises has increased at the rate of 25% per annum for the last three years.

Recently, **Harold White, '55**, was named vice president and general manager of the newly created organic grinding wheel division at Norton Co. in Worcester. His division will include the vitrified grinding wheel division and the diamond products division, as well as the organic grinding wheel division. Previously, White was vice president and managing director of abrasives operations in Northern Europe for Norton. He is a registered, professional engineer.

Clifford Pontbriand, '58, holds the post of director of operations for American Polarizers, Inc. in Reading, Pa. Earlier, he was vice president of manufacturing at the Cool-Ray division of Warner Lambert Co., and had been with American Optical in Southbridge, Mass.

John Gray, '59, who retired in 1973 as purchasing agent after 28 years of service at Bay State Abrasives, Westboro, Mass., is now a part-time consultant doing statistical analyses for the Central Mass. Employers' Association. He has a BA and MA from Assumption College. He belongs to the Audubon and Forbush Bird Club and is a backyard gardener. Active in church affairs, he has served nine years on the Parish Council and as a lector and adult education teacher. He was chairman of the Hearings Board for three years, and has been a member of the religious education executive board. He has been active at the Calvary Retreat Center; been a promoter of the speaker's list; and concerned with the Worcester County Ecumenical Council. He is a former member of the worship committee. "Sometimes I wonder when I found time to go to work before forced retirement at age 65."

Paul Kearney, '59, presently serves as an accident prevention consultant for the Central Mass. Employers' Association of Worcester. Formerly he was with the Worcester Gas Light Co. (now Commonwealth Gas Co.) for many years, retiring in 1972 as manager of the Hyde Park-Dedham Division. He is a past president of the Dedham Rotary Club. His hobbies include gardening and traveling. He has been to Hawaii, Jamaica, the Canary Islands, Canada, and England. "The next trip will be to Portugal, when I obtain enough loose change." He has studied at Holy Cross, the University of Michigan and Columbia.

Donald Sangster, '61, writes: "Living in Greenville, S.C. A most pleasant spot except for long, hot, humid summers. For the last three years I've been shuffling paper at a textile machinery importing and supply house, a far cry from my previous long life in machinery manufacturing management." Sangster's son is in oil exploration with Phillips in Oklahoma. His daughter recently climbed in the Himalayas. His first grandchild, a boy, was born last December. He says he'd like to hear from other '61 SIM people.

Henning Frederiksen, '63, has been appointed to the board of directors at Bay Bank United in Taunton, Mass. He is president-treasurer of Plainville Machine Works, Inc., and holds corporate positions at Plainville Products, Inc. and Plainville Hydraulics. A veteran of World War II and the Korean conflict, he served with both the U.S. Army and Air Force. He belongs to the Lions Club and the Masons.

Philip Nims, '65, is chief engineer of the Textile Division at Crompton & Knowles Corp., Charlotte, N.C.

Scott Sargent, '65, has been elected vice president and controller of Morgan Construction Co. in Worcester. With the firm for 22 years, most recently he held the post of controller and assistant treasurer. He graduated from Bowdoin, and is secretary-treasurer of the Bowdoin Alumni Club of Worcester. He is a member of the Financial Executives' Institute.

Vincent Kubert, '68, is a project engineer at Harris Corp., Grand Prairie, Texas. Harris is one of the world's largest builders of web type printing presses, and presently is constructing a \$30 million manufacturing plant in Grapevine, Texas. Kubert lives in Arlington.

Recently, **Alfred Alicandro, '69**, sold his company, Entec Plastic & Engineering Corp. to a group of private businessmen. He founded the firm after graduating from WPI. It ultimately grew to 17 plastic injection molding machines manufacturing 8-track cartridge tapes and cassettes and related products. It also expanded to 10 warehouses and nationwide distributorships. In Leominster the firm employed 125 people. The engineering section designed products and molds for the industry. Alicandro is being retained for a time as a consultant by the new owners, after which he and his wife will relocate to Cape Cod. He was listed in the 1975 edition of "Who's Who In Massachusetts."

Robert Goff, '70, a former division superintendent for New England Power Co., Worcester, is retired and residing in Pawcatuck, Conn.

Warren Prescott, '72, has retired and is living in North Fort Myers, Florida.

Alan Skiest, '74, holds the position of senior programmer-analyst for DECUS (Digital Equipment Corporation Users Society), located at the Marlboro, Mass. facility of Digital Equipment Computer Corp.

Robert Harris, '76, is manufacturing manager at Henry L. Hanson, Inc., Worcester.

Raymond Knowles, '79, has purchased Graham Manufacturing Co., Inc. East Greenwich, R.I. and renamed it Graham Products. Previously, he was vice president and general manager of Rawling Gear, a member company of Gear Motions in Shrewsbury. Graham Products produces machine vises, pressroom equipment, and related products.



Dr. Jerrold P. Commons, college physician and head of health services at WPI, died at his home in Worcester on July 25, 1979.

He was a native of Los Molinos, Calif. In 1952 he graduated from the Washington University Medical School in St. Louis. He was also a graduate of the University of California. He served his internship at St. Louis County Hospital, Clayton, Mo., and his residency at Worcester State Hospital.

Since 1978, Dr. Commons was acting director, residency in family practice, at the University of Massachusetts Hospital. He was also director of student and employee health at the hospital, and associate professor of family and community medicine.

He was on the staff of Hahnemann Hospital, and had been director of the Family Health Center of the hospital on Dean St. As health physician at Hahnemann, Dr. Commons was responsible for the emergency health care of employees, and served as house physician for student nurses. He was appointed to the hospital staff in 1956.

Dr. Commons was a member of the Massachusetts Medical Society, American Academy of Family Practice, American College Health Association, American School Health Association, Royal Society of Health, Worcester District Medical Society, and the board of governors of the Massachusetts Academy of Family Physicians. He was a World War II Army veteran.

Harvey C. Friars, '13, a retired farmer, died at his home in Shrewsbury, Massachusetts on June 18, 1979 at the age of 90.

He was born on Jan. 30, 1889 in Sussex, New Brunswick, Canada. After studying electrical engineering at WPI, he worked for the Worcester Electric Company and Commonwealth Electric in Summit, N.J. before becoming a self-employed farmer.

A former long-time member of the Shrewsbury Light Commission, he also belonged to the Tech Old-Timers.

Norman C. Firth, '20, of Maplewood, New Jersey passed away on December 18, 1978.

From 1936 to 1954 he held the post of publishing director of Dun & Bradstreet, Inc. in New York. Concurrently he served as editor of "Dun's Review," as vice president of a subsidiary, Dun & Bradstreet Corp., and as director of the Business Economics Department. Previously, he had been with McGraw-Hill Publishing, Inc., for former A. W. Shaw Co. of Chicago, and the U.S. Army as a 2/Lt. in the Engineers Corps during World War I.

After retiring from Dun & Bradstreet, he wrote business books, pamphlets, and did some free-lance editing. He belonged to the American Marketing Association, the American Economic Association, American Statistical Association, and Adult Education Association. He was a former president of the Board of Trustees of the South Orange-Maplewood (N.J.) Adult School.

Mr. Firth graduated with a BSEE from WPI, and was a member of ATO. He was born on Sept. 30, 1895 in Westfield, Mass.

Philip S. Parker, '22, a retired chief engineer at H. K. Ferguson Co., died on November 30, 1978 in Middletown, Connecticut.

A Worcester native, he was born on April 13, 1901. In 1922 he graduated as a civil engineer. During his career he was with the U.S. Geological Survey; Massachusetts Department of Public Works; Stone & Webster; E. B. Badger & Sons; and Metcalf & Eddy. Prior to joining Ferguson in New York City in 1954, he served as chief of the process plant division, Dresser-Stacey, in Cincinnati.

Mr. Parker belonged to the Cleveland Engineering Society, Armed Forces Chemical Association, and American Society for Testing Materials. He was a former treasurer of the New York Chapter of the Alumni Association.

Morgan M. Whitney, '22, a retired mechanical engineer associated with Griscom-Russell Co., New York City, for many years, died at his home in Southbury, Connecticut on May 31, 1979.

After graduation, he became an assistant in the WPI ME department. Later he was with Whitney & Co., Leominster, Mass., where he was factory manager. In 1961 he joined Baldwin-Lima-Hamilton as a sales engineer, and for a time, was a self-employed manufacturers' agent and private consultant. He was born June 17, 1901 in Leominster, Mass.

A member of the ASME, he also belonged to the Masons and Phi Gamma Delta. He was a former treasurer of the New York Chapter of the WPI Alumni Association. His son, Morgan M. Whitney, Jr., graduated from WPI in 1959.

Robert B. Smith, '24, owner of the former Smith Bros. Plumbing & Heating Co., died in Leominster (Mass.) Hospital on June 21, 1979. He was 76 years old.

He was a native and life-long resident of Leominster. After attending WPI, he graduated from Northeastern University. A journeyman, master plumber, and mechanical engineer, he had worked in the family business for 37 years, before retiring in 1972.

Mr. Smith belonged to the Episcopal Church, and was a 32nd degree Mason, and a Scottish Rite and Shrine member. He was a past patron of Temple Chapter, OES, and a member of the Leominster Senior Citizens.

Harold G. Butterworth, '28, retired assistant to the general manager of Factory Insurance Association, died of a heart attack on June 9, 1979 at the Hartford (Conn.) Hospital.

He was born Feb. 19, 1906 in Athol, Mass. In 1928 he received his BSCE from WPI. After graduation he joined the Factory Insurance Association (now Industrial Risk Insurers), and stayed with the company for 42 years, retiring in 1971. While with the firm, he served as an inspector, a supervisor of underwriting, and an executive special agent, before becoming assistant to the general manager. He belonged to Theta Chi, and was the father of Richard C. Butterworth, '55.

Clifford S. Livermore, '28, died at his home in Brooklin, Maine on June 19, 1979 at the age of 72.

He graduated with a BSME in 1928. Until 1941 he was employed by the New York Telephone Co. in New York City. During World War II he was commissioned a commander in the Naval Reserve. Later, he was named staff director in the Research and Development Division of the Office of the Assistant Secretary of Defense in Washington, D.C. He retired in 1968.

Mr. Livermore was a former member of the American Ordnance Association, National Rifle Association, and the National Geographic Association. He belonged to Phi Gamma Delta. A past president of the New York Chapter of the WPI Alumni Association, he had also served as a Council Representative. He was born on Sept. 5, 1906 in Holyoke, Mass.

Emil R. Dube, '32, died of congestive heart failure on May 21, 1979 at the home of his daughter in Bronxville, New York.

A Fall River, Mass., native, he was born there on May 13, 1909. He was a member of the Class of 1932, and studied chemistry at WPI. He then joined Malt Diastase Co., Brooklyn, N.Y., as a chemist. For a time he was chemist-in-charge at Swift & Co., in Jersey City and was later named chief chemist and eastern quality assurance manager at Swift in Kearny, N.J. He retired in 1974 after forty years of service.

A member of the American Chemical Society, Mr. Dube also belonged to the Institute of Food Technologists.

Frederick L. Yeo, '36, of Upland, California passed away on April 26, 1979.

In 1936 he graduated as a civil engineer from WPI, and joined Boston & Maine Transportation Co., Boston, where he stayed until 1941. From 1941 to 1961 he was with the U.S. Navy. He retired as a commander in 1961.

For the next fifteen years he was employed by Aerojet-General Corp. in Azusa, Calif., where he was reliability and quality control manager for the Midas Satellite Program. After retiring from Aerojet, he ran a small, part-time accounting business.

Mr. Yeo belonged to Phi Gamma Delta. He was born in Winchester, Mass. on April 3, 1913.

John W. Luoma, '49, of Los Gatos, California recently passed away.

He was born on July 25, 1926 in Fitchburg, Mass. He received his BSEE from WPI. For many years he worked for General Electric, and was at various times located in Vermont, Pennsylvania, and in California, where he was an application engineer. He was a member of Theta Chi and Sigma Xi.

Walter L. Magnuson, Jr., SIM '61, a registered engineer and senior manufacturing engineer for Jamesbury Corp. of Worcester, died on June 20, 1979 at The Memorial Hospital, Worcester. He was 57.

He was a soloist in the Bethlehem Covenant Church Choir and a cantor at Temple Emanuel in Worcester. A charter member of the Salisbury Singers, he was also a 32nd degree Mason, a member of the Scottish Rite, the Shrine, and the Society of Manufacturing Engineers.

Mr. Magnuson graduated from Northeastern University. Prior to joining Jamesbury, he had been associated with George F. Wright Steel & Wire Co.

In the summer issue of the Journal, the death of Elbridge M. Smith, Sr., '45, was incorrectly listed as that of Elbridge M. Smith, Jr.

Philippe P. Cousteau, '67, son of oceanographer Jacques Cousteau, was killed in a seaplane which crashed while he was landing it near the Tagus River in Alverca, Portugal on June 28, 1979.

A photographer, author, and diver, the younger Cousteau devoted as much time to flying as his father did to underwater research. In 1976 he barely escaped death in a helicopter crash on Easter Island. He made his first aqualung dive at 4, and won a glider pilot's license at 16.

He dived in every ocean in the world, and shared the experience with millions as TV producer, photographer, and lecturer. He studied briefly at WPI and MIT, and held a degree in science from the College de Normandie.

After leaving the U.S., he returned to Paris to train as a cinematographer. He worked on the award-winning feature film, "World Without Sun," and was one of six "oceanauts" to live 235 ft. below the sea for 28 days during the historic Conshelf III Project in 1965 for a National Geographic Special on CBS.

In 1968 he began filming "The Undersea World of Jacques Cousteau" for ABC. He was vice president of the Cousteau Society and director of the Cousteau TV series which won ten Emmy awards. With his father, he wrote the book, *Sharks*.

Philippe Cousteau is survived by his wife, Jan, and daughter, Alexandra. He was born on Dec. 30, 1940 in Toulon, France.

Kenneth H. Maymon, '70, manager of conversion engineering at General Electric in Fitchburg, Mass., died in Nashua, New Hampshire on March 23, 1979. He was 45.

Associated with GE for the past 24 years, he had graduated in 1954 from Wentworth Institute, and had received a BSME from WPI in 1970. He served as Republican town chairman and as a member of the budget committee in Milford, N.H.

He was a former Eagle Scout, scoutmaster, and a troop committeeman. A former vestryman of the Church of Our Saviour, he was also a past master councilor of DeMolay in Riverside, R.I. He had been a dad advisor for DeMolay in Milford, and an advisory board member. He was a recipient of the DeMolay Cross of Honor. A past master of a Masonic lodge, he was also an Arch Mason and a Scottish Rite member.

At the time of his death, he was serving as district deputy grand lecturer of the Second Masonic District. He was grand representative to the Grand Lodge in Washington, D.C., and had received the General John Sullivan award. He was born on April 6, 1933 in Providence, R.I.

Bronislaw Stasiowski, '74, died at his home in Chicopee Falls, Massachusetts, on March 12, 1979 at the age of 53.

A lifelong resident of Chicopee, he was born on September 25, 1925. He graduated from Hampden College of Pharmacy. In 1974 he graduated with an MS from WPI. For the past ten years he was a science teacher at Chicopee High School. Previously, he had been manager of Whalen Drug Store.

Mr. Stasiowski was a Navy veteran of World War II, and a member of the Elks.

Robert P. Lyle, '78, drowned in January in Stearns Reservoir, Framingham, Massachusetts, following a skating accident. His body was recovered on March 14.

He was born on February 20, 1955 in Framingham. He had received his BS in chemical engineering from WPI.

The accident occurred during 20-below zero weather, severely hampering rescue attempts by police and MDC scuba teams, which were characterized by Norman Lyle, Robert's father, as "absolutely fantastic."

Wayne K. Shiatte, '78, died in a construction accident in Wheaton, Illinois on April 4, 1979.

He was inspecting a storm sewer project, when he was overcome by an excess of carbon dioxide in the air. He was employed by Baxter & Woodman, Inc., consulting engineers.

Born on Feb. 20, 1956 in Marysville, Calif., he later enrolled at WPI and graduated with a BSCE in 1978. He belonged to ATO. His father is *Kenneth W. Shiatte, '53*.



Plan to attend

**Alumni Basketball
Night,
February 16**

**Reunion Weekend,
June 5-8, 1980**